

Avantor Collection of Brands: Top-Rated Guide



Avantor collection of brands **top** rated guide

Accelerating science relies on high quality, easily accessible lab and production products that underpin innovation. That's why at Avantor we leverage our 160-year history of supporting science – working alongside industry professionals and within critical workflows – and contribute our earned expertise in helping to propel our customers' scientific achievements. This experience, combined with our utilization of the latest innovations, inspires our curated product portfolio, with product offerings to meet evolving needs within the lab.

Avantor's Top-Rated Guide is a carefully crafted selection of our own trusted brand of products for use in lab and production applications. Scientists, lab managers, and production supervisors can rely on this guide for a selection of just the right products needed for their valuable work.

We hope you find this guide helpful. It's just one way at Avantor that we set science in motion to create a better world.



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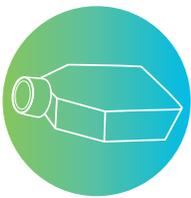
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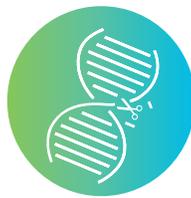
Workflow solutions

Avantor lab and production workflows are designed to combine the right products, expert technical support, services and technology to help customers optimize their process and achieve successful results while saving valuable time.

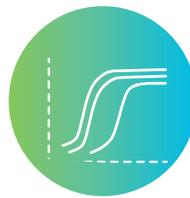
LIFE SCIENCE



Cell Culture for Analysis is the process of growing cells under controlled conditions in an artificial environment. Culturing cells provides excellent models for studying the normal physiology and biochemistry of the cells.



Gene Editing is the workflow area concerned with the intentional alteration of the DNA sequence of a plasmid, cell, or organism. Gene editing encompasses numerous methods including mutagenesis, restriction cloning, synthetic biology, and CRISPR/Cas9, among others.



qPCR stands for Quantitative Real-Time Polymerase Chain Reaction and is a technique which monitors, in real-time, the enzymatic amplification of a targeted sequence of DNA. Analysis of the resultant amplification curves informs a researcher of the starting amount of their DNA.



Next Gen Sequencing (NGS) is an umbrella term describing a collection of high-throughput methodologies and platforms used for the determination of the sequence of base pairs in DNA or RNA.



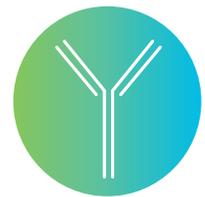
Cellular Analysis refers to a broad range of technologies that are used to investigate the basic cell biology as it relates to cell health, proliferation, function, and death.



Western Blot detects specific proteins in a complex mixture of proteins extracted from cells or tissues. The three main steps in the workflow are separation by size, transfer to stable support, and visualization using appropriate primary and secondary antibodies.



Protein Expression is the process of generating a specific protein by manipulating the gene expression in a living organism. The organisms utilized for protein expression must be easy to culture and maintain, grow rapidly, and produce large amounts of protein.



Protein Isolation and Purification is a series of steps that extract the proteins from cells or tissues and separate them from the non-protein mixture. The resulting mixture of proteins are separated by differences in their size, binding affinity, and chemical properties.

ANALYTICAL CHEMISTRY



Mass spectrometry (MS) is used to identify unknown compounds by their molecular weight, to quantify known compounds, and to determine structure and chemical properties of biologically important molecules. Applications range from carbon dating of historical artifacts, to drug discovery, to protein characterization.



High performance liquid chromatography (HPLC) is an analytical technique to separate, identify, and quantify components in a mixture. It is the single biggest chromatography technique essential to most laboratories worldwide.



Gas chromatography (GC) is a technique for separating and analyzing compounds that can be vaporized without decomposition, and is widely used in environmental testing and forensic science, as well as for Pharma R&D and QC applications.



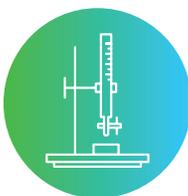
Preparative or purification chromatography is used to isolate a compound in a quantity and at a purity level needed for further experiments or processes by isolating that compound from starting materials, side reactions or other impurities.



Atomic spectroscopy is a group of analytical techniques based on how atoms absorb and emit electromagnetic radiation, including atomic absorption spectroscopy (AA) and inductively coupled plasma (ICP) – the methods of choice for determining concentration of trace metals in environmental and forensic work.



Molecular spectroscopy is a collection of analytical techniques based on how molecules absorb light, including ultraviolet/visible (UV/Vis), infra-red (IR), Fluorescence, and NMR that are widely used in every market segment, from Pharma to Food & Beverage to nanotechnology and environmental testing.



Electrochemistry: titration provides powerful and versatile analytical techniques that feature high sensitivity, accuracy and precision, utilizing relatively lower cost instrumentation than other methods of analysis.

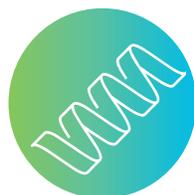


Electrochemistry pH: measurement remains critical to a variety of diverse applications, ranging from maintaining water quality in municipal water supplies and swimming pools, soil measurement for agriculture and environmental remediation, to Food, Beverage and Pharma QC, as well as healthcare and clinical testing, such as blood chemistry.

BIOPHARMA



Monoclonal Antibodies (mAbs) are the largest sector in biologics market by revenue & drug pipelines. Clinical benefit of mAbs has been demonstrated in treatment of autoimmune diseases & oncology.



Recombinant proteins can be manufactured using microbial (E. coli) expression systems, eukaryotic systems, or non-e. coli prokaryotic systems. They represent a group of smaller protein molecules that include cytokine (erythropoietin or EPO), growth factors (insulin), and enzymes (Urokinase) among others.



The development of **vaccines** has primarily targeted infectious diseases, but new developments are now focusing on immuno-oncology applications.



Cell therapies encompass several approaches that require manipulation of donor tissue (autologous and allogeneic) to obtain desired cells and tissues. These cells and tissues are then used to treat diseases, ranging from wound repair to cancer.



Gene therapy offers the prospect of long term and potentially curative benefits to patients with genetic or acquired diseases by harnessing the body's natural bioprocesses, instead of relying on foreign substances.

Life Science

SERUM

MOLECULAR BIOLOGY EQUIPMENT

MOLECULAR BIOLOGY BUFFERS & REAGENTS

WESTERN BLOTTING BUFFERS & REAGENTS





AVANTOR® SERADIGM PREMIUM GRADE FETAL BOVINE SERUM (FBS)

PREMIUM GRADE FBS IS WIDELY USED BY CELL CULTURISTS REQUIRING HIGH QUALITY, HIGH PERFORMANCE FBS FOR A WIDE VARIETY OF APPLICATIONS

- 100% US Origin
- Preservation of native, growth-promoting factors and minimization of growth-inhibiting factors
- ISIA Certified Supply Chain for Traceability

Description	Size	Endotoxin	Hemoglobin	Cat. No.
Premium Grade Fetal Bovine Serum (FBS)	50 ml	≤ 5 EU/ml	≤ 25 mg/dL	89510-194
Premium Grade Fetal Bovine Serum (FBS), Heat Inactivated	50 ml	≤ 5 EU/ml	≤ 25 mg/dL	89510-196
Premium Grade Fetal Bovine Serum (FBS)	500 ml	≤ 5 EU/ml	≤ 25 mg/dL	97068-085
Premium Grade Fetal Bovine Serum (FBS), Gamma Irradiated	500 ml	≤ 5 EU/ml	≤ 25 mg/dL	97068-086
Premium Grade Fetal Bovine Serum (FBS), Gamma Irradiated and Heat Inactivated	500 ml	≤ 5 EU/ml	≤ 25 mg/dL	97068-088
Premium Grade Fetal Bovine Serum (FBS), Heat Inactivated	500 ml	≤ 5 EU/ml	≤ 25 mg/dL	97068-091



AVANTOR® SERADIGM SELECT GRADE FETAL BOVINE SERUM (FBS)

SUPERIOR PERFORMANCE AND CONSISTENCY IN COST-SENSITIVE APPLICATIONS

- Industry-leading collection techniques at the source
- Proprietary manufacturing techniques with single-use filtration
- Risk mitigation through a robust quality system
- Proven track record for performance and consistency
- Sourced from countries with health status classified as "Negligible BSE Risk" by the World Health Organization

Description	Size	Endotoxin	Hemoglobin	Cat. No.
Select Grade USDA Approved Origin Fetal Bovine Serum (FBS)	50 ml	≤ 10 EU/ml	≤ 25 mg/dL	89510-182
Select Grade USDA Approved Origin Fetal Bovine Serum (FBS), Heat Inactivated	50 ml	≤ 10 EU/ml	≤ 25 mg/dL	89510-184
Select Grade USDA Approved Origin Fetal Bovine Serum (FBS)	500 ml	≤ 10 EU/ml	≤ 25 mg/dL	89510-186
Select Grade USDA Approved Origin Fetal Bovine Serum (FBS), Heat Inactivated	500 ml	≤ 10 EU/ml	≤ 25 mg/dL	89510-188



VWR® PCR WORKSTATIONS

IDEAL ENVIRONMENT FOR PCR SAMPLE PREPARATION AND OTHER SENSITIVE PROTOCOLS

- Large working area for stress-free working
- Can accommodate benchtop equipment
- Active decontamination of work surface during non-working time by UV irradiation
- Additional inactivation of aerosol-bound contaminants by shielded UV Air Recirculator during operation
- Contaminant prevention with antimicrobial work surface made of stainless steel
- Function indicator for UV air recirculator tube
- Displays operating time of UV tubes
- Enables well-timed replacement of tubes for constant UV intensity
- Removable shelves provide additional storage space at the rear panel
- Four internal power outlets for operating lab equipment
- Electromagnetic safety mechanism stops UV irradiation if front panel is opened

Description	Cat. No.
PCR Workstation	10783-132



VWR® PCR WORKSTATION PRO HEPA

HEPA FILTER (H14 STANDARD) WITH UV PROVIDES A BARRIER AGAINST DUST, BACTERIA AND MOLD WITH A FILTRATION EFFICIENCY OF 99.995% DOWN TO 0.3 MICRONS OF PARTICLES

- Active decontamination of work surface during non-working time by UV irradiation
- Additional inactivation of aerosol-bound contaminants by shielded UV Air Recirculator during operation
- Contaminant prevention thanks to antimicrobial stainless steel work surface
- Carbon filter to remove ozone and gases
- HEPA filter (H14 Standard) provides a barrier against dust, bacteria and mold with a filtration efficiency of 99.995% down to 0.3 microns of particles.
- The HEPA system provides an ultra-clean particle free ISO-Class 5 working space according to the EN 1822-1 standards.
- Function indicator for UV Air Recirculator and HEPA-UV tube
- Adjustable laminar airflow for effective protection against sample contamination from outside
- Displays operating time of UV tubes and Filters to enable well-timed replacement for constant UV intensity and filter efficiency
- Removable shelves provide additional storage space for reaction tubes, pipettes or racks at the rear panel
- Four internal power outlets for operating lab equipment such as mini centrifuges or vortexers allow the combination of several working steps without interruption of the workflow
- Electromagnetic safety mechanism stops UV irradiation if front panel is opened
- Large working area for stress-free working: Providing ample space and the possibility to accommodate bench top equipment, the VWR® PCR Workstation allows the combination of several working steps without change of location, thereby minimising the risk of cross-contamination

Description	Cat. No.
Workstation	
PCR Workstation Pro with HEPA, US	76289-386

VWR® LIFE SCIENCE NUCLEASELIMINATOR™

HELP PROTECT YOUR SAMPLES

- Effectively removes and deactivates nuclease contamination even at high concentrations
- Safe on all laboratory glass and plasticware
- Stable at room temperature for at least two years

Description	Size	Cat. No.
NucleasEliminator™	500 ml	97063-076



VWR® MINI POWER SUPPLIES

BASIC AND ECONOMICAL UNIT PERFECT FOR SMALL NUCLEIC ACID GEL TANKS

- Compact and simple to operate
- Ideal for basic agarose nucleic acid applications
- Two pairs of output jacks

Description	Cat. No.
115 VAC Unit	
VWR® Mini Power Supply	76196-450



VWR® POWER SUPPLY

IDEAL FOR BASIC ELECTROPHORESIS APPLICATIONS SUCH AS NUCLEIC ACID, PROTEIN SEPARATION AND SMALL WET BLOT WESTERN BLOTTING APPLICATIONS

- Compact footprint, takes up minimal lab space
- 500 V/400 mA, 120 W maximum output
- 300 V/2000 mA, 300 W maximum output
- Ideally suited for horizontal DNA gels, vertical protein gels

Description	Voltage	Cat. No.
VWR® Power Supply	10 - 500 V	76196-454
VWR® Power Supply	10 - 300 V	76196-458



VWR® HORIZONTAL MINI M GEL ELECTROPHORESIS SYSTEM

CONVENIENT SIZE FOR A WIDE RANGE OF ROUTINE USES

- Wide range of standard and MC-compatible loading combs are available
- Separation of up to 36 samples

Description	L×W×H	Buffer volume	Gel size	No. of samples	Cat. No.
VWR® MINI M Horizontal Gel System	150×220×95 mm	600 ml	9×11 cm	5 - 36	76314-748



VWR® HORIZONTAL MINI L GEL ELECTROPHORESIS SYSTEM

LARGEST OF THE 'MINI-GEL' RANGE IS SUPPLIED WITH A FOUR SLOT UVT GEL TRAY CAPABLE OF RUNNING 100 SAMPLES

- Twelve slot tray is available
- Expansive range of standard and MC-compatible loading combs are also available

Description	L×W×H	Buffer volume	Gel size	No. of samples	Cat. No.
VWR® MINI L Horizontal Gel System	245×180×95 mm	800 ml	12×14 cm	8 - 100	76314-778



VWR® HORIZONTAL MIDI S GEL ELECTROPHORESIS SYSTEM

CAPABLE OF RAPIDLY RUNNING UP TO 160 SAMPLES, MIDI S IS A COMPACT, BUT HIGHLY EFFICIENT ELECTROPHORESIS SYSTEM

- Color-coded sealed platinum electrodes and gold plated banana plugs resist corrosion
- Fluorescent ruler silk screened onto the gel tray
- Gel tray has effective rubber sealed 'end gates' to allow gel pouring in the tray
- End gates are CNC machined to ensure a perfect fit
- Comb specifications are clearly indicated on each comb
- Four combs are provided, two each 17 well and 34 well (1.5 mm thick)
- Includes a safety lid with retractable sheathed leads

Description	Buffer volume	Gel size	No. of samples	Cat. No.
VWR MIDI S Horizontal Gel System	1000 ml	15×15 cm	10 - 136	76314-798



VWR® HORIZONTAL MAXI M GEL ELECTROPHORESIS SYSTEM

Description	L×W×H	Buffer volume	Gel size	Cat. No.
VWR® MAXI M Horizontal Gel System	290×375×105 mm	2300 ml	20×25 cm	76314-680



VWR® MINI ELECTROPHORESIS SYSTEM

IDEAL TOOL FOR QUICK AND EFFICIENT NUCLEIC ACID SEPARATIONS

- Complete and convenient system
- Power supply connects to the gel box, no wires are needed

Description	L×W×H	Cat. No.
VWR® Mini Electrophoresis System	4.5×6.25×2.25"	76196-486

VWR® LIFE SCIENCE AGAROSE I™

IDEAL FOR ROUTINE NUCLEIC ACID ANALYTICAL/ PREPARATIVE APPLICATIONS

- All-Purpose, High-Purity Agarose
- Exceptional Band Resolution and Clarity
- Nuclease- and Protease-free

Size	Cat. No.
500 g	97062-250

VWR® LIFE SCIENCE AGAROSE RA™

A QUALITY GENERAL APPLICATION AGAROSE THAT PROVIDES GOOD RESOLUTION AND IS COST-EFFECTIVE FOR HIGH VOLUME USERS

- Ideal Agarose for High Throughput
- High Resolution
- Easy Preparation
- Excellent Sensitivity

Size	Cat. No.
500 g	97064-258

VWR® LIFE SCIENCE AGAROSE SFR™

HIGH RESOLUTION (SUPER FINE) SIEVING AGAROSE WITH EXCELLENT CLARITY

- DNA bands differing in size by 2% can be resolved in the range of 200 bp to 1000 bp
- Super fine resolution - resolve 238 bp and 242 bp bands
- Low melting point
- Nuclease and protease-free

Size	Cat. No.
250 g	97064-136

VWR® LIFE SCIENCES AMRESKO EZ-VISION® 1 KB DNA LADDER

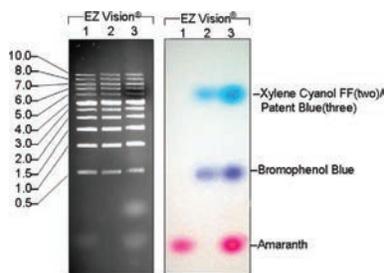
PRE-MIXTURE OF DNA MARKER, LOADING BUFFER AND A PROPRIETARY FLUORESCENT DNA VISUALIZATION DYE THAT CAN BE APPLIED DIRECTLY TO THE GEL

- Store frozen (0 to -20°C). Stable for at least 1 year.

Size	Cat. No.
1,200 µl	75997-542

**VWR® LIFE SCIENCE
EZ-VISION® DYE-AS-
LOADING BUFFER, 6X**

- Easy and Convenient
- Instant Results
- Eliminates Hazardous Ethidium Bromide Use



Description	Size	Cat. No.
EZ-Vision® One	5 x 1 ml	97064-190
EZ-Vision® Three	5 x 1 ml	97063-166

VWR® LIFE SCIENCE TBE BUFFER POWDER

- Convenient pre-measured pouches make 1L of 1X buffer
- No dilutions or pH adjustments needed, just add water and stir
- Works best for resolution of smaller fragments (<2kb)
- Higher buffering capacity makes it useful for longer runs

Description	Unit	Cat. No.
VWR TBE BUFFER POWDER	Case of 50	76371-724

VWR® LIFE SCIENCE TAE BUFFER POWDER

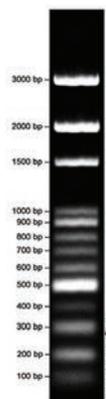
- Convenient pre-measured pouches make 1L of 1X buffer
- No dilutions or pH adjustments needed, just add water and stir
- Ideal for separation of large DNA fragments in agarose gels; used as running buffer and in gel preparation
- The buffer of choice when recovering DNA from gels and when downstream processing involves enzymatic reactions

Description	Unit	Cat. No.
VWR TAE BUFFER POWDER	Case of 100	76371-722

**VWR® LIFE SCIENCE DNA MW
MARKERS, 100 BP LADDER**

13 FRAGMENTS RANGING FROM 100 TO 3000 BP FOR EASY BAND IDENTIFICATION

- Easy band identification
- Available with loading dye



Description	Size	Application	Cat. No.
EZ-Vision® DNA Ladder, 100 bp	300 µL	Sufficient for 50 lanes	97063-350

**VWR® BLUE LIGHT
TRANSILLUMINATOR**

**SAFE AND COST EFFECTIVE
ALTERNATIVE TO UV
TRANSILLUMINATORS
FOR VIEWING GELS
STAINED WITH DYES
EXCITED IN THE BLUE LIGHT SPECTRUM**



- Blue wavelength does not damage DNA
- Uniform illuminated surface
- 465 nm wavelength, ideal for most fluorescent DNA stains
- Amber cover is removable and can be set to an angle

Description	Electrical	Cat. No.
Blue Light Transilluminator	100 to 240VAC (Includes US type plug)	76151-834

**VWR® LIFE SCIENCE EZ-VISION® BLUELIGHT
10,000X, BIOTECHNOLOGY GRADE DNA STAIN**

**SENSITIVE, NON MUTAGENIC AND ENVIRONMENTALLY
SAFE FLUORESCENT DYE DESIGNED FOR GEL STAINING**

- In-gel and post-gel staining
- Compatible with gel documentation using blue light excitation
- Does not affect DNA integrity for downstream applications

Size	Cat. No.
0.5 ml	10791-798

**VWR® MINI VERTICAL
PAGE SYSTEM**

**IDEAL FOR PROTEIN
ELECTROPHORESIS,
IEF, AND BLOTTING**



- Can run up to four gels
- Inserts for each application
- Electrode assembly for each insert
- Common buffer tank

Description	Buffer volume	Cat. No.
Mini Vertical PAGE System	250 ml	89032-300

**VWR® LIFE SCIENCE PHOSPHATE BUFFERED SALINE
(PBS), 10X, STERILE, ULTRA PURE GRADE**

- 1X Solution Composition: 137 mM NaCl, 2.7 mM KCl, 9.5 mM Phosphate buffer.

Size	Cat. No.
500 ml	97063-660

VWR® LIFE SCIENCE PROTEASE INHIBITOR COCKTAILS

- Effectively preserves the native state of proteins
- Convenient 100X concentration

Description	Size	Application	Cat. No.
Protease Inhibitor Cocktail, General Use	1 ml	Contains a mix of protease inhibitors: AEBSF, Aprotinin, E-64, Bestatin and Leupeptin	97063-970

VWR® LIFE SCIENCE WATER FOR BIOTECHNOLOGY NUCLEASE-FREE, STERILE

- DNase, Protease, and RNase free
- Sterile
- Ideal for PCR, cloning and proteomic research applications

Size	Cat. No.
100 ml	97062-790
1 L	97062-792

VWR® LIFE SCIENCE TRIS HCL (TRIS(HYDROXYMETHYL)AMINOMETHANE HYDROCHLORIDE), PROTEOMICS GRADE

- Protease, DNase, and RNase free
- Recommended for use in molecular buffers and electrophoresis

Size	Packaging	Cat. No.
1 kg	HDPE Bottle	97063-754

VWR® LIFE SCIENCE WESTERN BLOTTING AND ELECTROPHORESIS BIOCHEMICALS AND BUFFERS

- High quality molecular buffers you can count on to produce the cleanest runs and sharpest bands
- Convenient pack sizes
- Time-saving formats

Description	Size	Cat. No.
Tris-MOPS-SDS Buffer Powder	1L	76371-732
Γ-(N-Morpholinon) Propanesulfonic Acid (MOPS), Ultrapure	500 g	97062-160
Amonium Persulfate (APS) Tablets	150 mg	97064-852
Amonium Persulfate (APS) and TEMED Tablets	100 tablets	97063-162
Amonium Persulfate (APS) ≥98%, Pro-Pure, Proteomics Grade	100 g	97064-882
PBS Buffer Powder Pack, Case of 100	100 Pks	76371-734
PBS-T Buffer Powder Pack, Case of 100	100 Pks	76371-736
Tris-Glycine-SDS Buffer Powder, Case of 50	1 L	76371-728
Tris-Glycine-MES-SDS Buffer Powder, Case of 50	1 L	76371-730
TBS Buffer Powder Pack, Case of 100	100 Pks	76371-738
TBS-T Buffer Powder Pack, Case of 100	100 Pks	76371-740
Ethanol ≥70% (V/V), Biotechnology Grade	4 L	97065-058
Sodium Chloride, High Purity, HDPE Bottle	5 kg	97063-368

VWR® LIFE SCIENCE SODIUM DODECYL SULFATE (SDS) 20% IN AQUEOUS SOLUTION, BIOTECHNOLOGY GRADE

- Convenient aqueous solution format
- Ideal for SDS-PAGE and Western Blotting applications

Size	Cat. No.
500 ml	97062-442

VWR® LIFE SCIENCE ACRYLAMIDE (MONOMER) 40% IN AQUEOUS SOLUTION, ACRYL 40™**LIQUID BLEND MINIMIZES THE HANDLING OF NEUROTOXIC ACRYLAMIDE**

- VWR's Acryl-40 Solution is a premixed stock solution for customized polyacrylamide gel electrophoresis of proteins
- Acryl-40 is a 40% (w/v) acylamide solution
- Liquid stable solution eliminates handling hazardous powdered acrylamide

Size	Cat. No.
500 ml	97064-522

VWR® LIFE SCIENCE RAPID TRANSFER BUFFER, 10X**SIMPLE, SINGLE COMPONENT SYSTEM FOR QUICK AND EFFICIENT TRANSFER OF PROTEINS FROM SDS-PAGE GELS TO MEMBRANES FOR WESTERN BLOTTING APPLICATIONS**

- Fast, efficient transfer in 10–20 minutes
- Utilizes standard transfer equipment
- Non-hazardous formulation
- Transfers to PVDF and nitrocellulose from multiple types of gels

Description	Size	Cat. No.
Rapid Transfer Buffer, 10X	4 L	97064-314

VWR® LIFE SCIENCE RAPIDBLOCK™ BLOCKING SOLUTION, 10X

- Only 5 Minutes for PVDF or Nitrocellulose Blocking
- Reduce Background and Cross-Reactivity
- Enhance Chemiluminescent Signals
- Protein-Free Formulation

Size	Cat. No.
100 ml	97064-124

VWR LIFE SCIENCE VISIGLO™ SELECT AND VISIGLO™ PRIME HRP CHEMILUMINESCENT SUBSTRATE KITS**KITS COMBINE A BROAD LINEAR DYNAMIC RANGE AND ATTOMOLAR SENSITIVITY TO ENABLE QUANTITATION OF LOW-ABUNDANCE TARGETS LABELED WITH HORSERADISH PEROXIDASE (HRP)**

- Highly sensitive substrate
- Low background without compromising signal intensity
- Quantitative
- Wide dynamic range
- Signal lasts hours
- Enables repeat exposures and imaging delays
- Compatible with CCD and x-ray film based imaging systems

Description	Application	Cat. No.
VisiGlo™ Select HRP Chemiluminescent ECL Substrate Kit	Sufficient for 1,000 cm ² of membrane	89424-018

VWR® LIFE SCIENCE SODIUM AZIDE, HIGH PURITY

- Suitable for the preservation of antibodies

Size	Packaging	Cat. No.
250 g	HDPE Bottle	97064-646

VWR® LIFE SCIENCE BLUE BANDIT™, ULTRA PURE GRADE PROTEIN STAIN

- Ultra pure grade
- Sensitivity below 20 ng of protein per band
- No methanol or acetic acid—uses water for destaining
- Ready-to-use stain

Size	Cat. No.
1 L	97065-002

VWR® LIFE SCIENCE TOTALBLOT™ PVDF MEMBRANES**NATURALLY HYDROPHOBIC MEMBRANES EXHIBIT STRONG HYDROPHOBIC INTERACTIONS WITH A WIDE RANGE OF PROTEINS**

- Chemically resistant and does not shrink or disfigure during destaining in methanol
- Pure white microporous solid phase support
- Allows sensitive immuno-detection down to nanogram or picogram levels
- Direct visualisation of immobilised proteins with all common staining reagents, including Coomassie Blue, Amido Black, and Ponceau S
- Pore size: 0,2 µm

Description	Dimensions	Cat. No.
TotalBLOT™ PVDF membrane, sheets, pore size 0.2 µm	10 x 10 cm	97062-898
TotalBLOT™ PVDF membranes, roll, pore size 0.2 µm	30 cm x 3 m	97062-900
TotalBLOT™ PVDF membrane, sheets, pore size 0.2 µm	5 x 15 cm ²	97062-902

VWR® LIFE SCIENCE PROTEINASE K, BIOTECHNOLOGY GRADE

- Highly active recombinant enzyme
- Recommended for use in nucleic acid purification applications

Size	Cat. No.
100 mg	76452-788
1 g	76452-792
10 g	76452-790

IgGy Antibody Selector



Search. Select. Simple.

Using the IgGy Antibody Selector makes searching for antibodies easier. Avantor has brought together a multitude of antibody suppliers and manufacturers with hundreds of thousands of antibodies to meet your specific application needs. Through Avantor, IgGy offers:

- More than 350,000 antibodies
- Brands you know and trust
- Wide range of conjugations
- Choices from multiple suppliers
- Resource for all application areas



Chromatography

LC COLUMNS

SAMPLE PREP CONSUMABLES

BULK RESIN

VIALS, CAPS & SEPTA

GC COLUMNS

GAS GENERATORS & REGULATORS



HPLC Columns



AVANTOR® ACE® C18, 3 MM, HPLC COLUMNS

GREAT REPRODUCIBILITY AND COLUMN LIFETIME – AVAILABLE IN A WIDE RANGE OF PARTICLE SIZES AND DIMENSIONS FROM CAPILLARY TO PREPARATIVE

- Ultra-high purity, base deactivated silica with exceptional reproducibility
- Ideal for a wide range of analytes differing in hydrophobicity
- Wide range of particle sizes (2 to 10 µm) and complementary phases

Description	Column format	Phase	I.D.×L	Particle size	Cat. No.
1/16" connections	Capillary	C18	0.1×100 mm	3 µm	76384-236
1/16" connections	Capillary	C18	0.1×150 mm	3 µm	76384-324
1/16" connections	Capillary	C18	0.3×30 mm	3 µm	76384-170
1/16" connections	Capillary	C18	0.3×50 mm	3 µm	76384-196
1/16" connections	Capillary	C18	0.3×75 mm	3 µm	76384-550
1/16" connections	Capillary	C18	0.3×100 mm	3 µm	76384-238
1/16" connections	Capillary	C18	0.3×125 mm	3 µm	76384-302

AVANTOR® ACE® EXCEL® C18-PFP, 1.7 MM, ANALYTICAL UHPLC COLUMNS

PHASE MAINTAINS THE HYDROPHOBIC, STABILITY, AND LOW BLEED CHARACTERISTICS OF LEADING C18 PHASES, YET PROVIDES –THE MULTIPLE RETENTION MECHANISMS OF A PFP PHASE

- Specially developed ligand combining a C18 chain with integral PFP functionality
- Ultra-high purity, base deactivated silica with exceptional reproducibility
- Ideal for a wide range of analytes differing in hydrophobicity
- Wide range of particle sizes (1.7 to 5 µm) and complementary phases
- Also useful for analytes with π-bonding or electron or proton donor groups
- Ultra-low bleed to ensure LC/MS compatibility
- Suitable for use with 100% aqueous mobile phases

Column format	Phase	I.D.×L	Particle size	Pore size	Cat. No.
Analytical	C18-PFP	2.1×20 mm	1.7 µm	100 Å	76394-404
Analytical	C18-PFP	2.1×100 mm	1.7 µm	100 Å	76394-408
Analytical	C18-PFP	2.1×35 mm	1.7 µm	100 Å	76394-428
Analytical	C18-PFP	2.1×50 mm	1.7 µm	100 Å	76394-412
Analytical	C18-PFP	2.1×75 mm	1.7 µm	100 Å	76394-436
Analytical	C18-PFP	2.1×100 mm	1.7 µm	100 Å	76382-648
Analytical	C18-PFP	3.0×20 mm	1.7 µm	100 Å	76394-406

AVANTOR® ACE® C18, 3 MM, HPLC COLUMNS

PROVIDE GREAT REPRODUCIBILITY AND COLUMN LIFETIME. THESE COLUMNS ARE DESIGNED FOR A WIDE RANGE OF CHROMATOGRAPHIC APPLICATIONS, TO PROVIDE GREAT PERFORMANCE WITH ACIDIC, BASIC AND NEUTRAL MOLECULES

- Ultra-high purity, base deactivated silica with exceptional reproducibility
- Ideal for a wide range of analytes differing in hydrophobicity
- Wide range of particle sizes (2 to 10 µm) and complementary phases

Description	Column format	Phase	I.D.×L	Particle size	Pore size	Cat. No.
1/16" connections	Analytical	C18	4.6×150 mm	3 µm	100 Å	76382-544

AVANTOR® ALLTIMA C18 HPLC COLUMNS

HIGH QUALITY PHASES DESIGNED FOR GENERAL PURPOSE APPLICATIONS

- Base deactivated silica phases
- Stable bonding for long column lifetime
- Multiple selectivity options
- USP L1

Description	Column format	Column hardware	Phase	I.D.×L	Packing material	Particle size	Cat. No.
Column	Analytical	Stainless Steel	C18	4.6×150 mm	Silica	5 µm	75797-224
Column	Analytical	Stainless Steel	C18	4.6×250 mm	Silica	5 µm	75798-818

VYDAC® 214TP C4 HPLC COLUMNS, AVANTOR

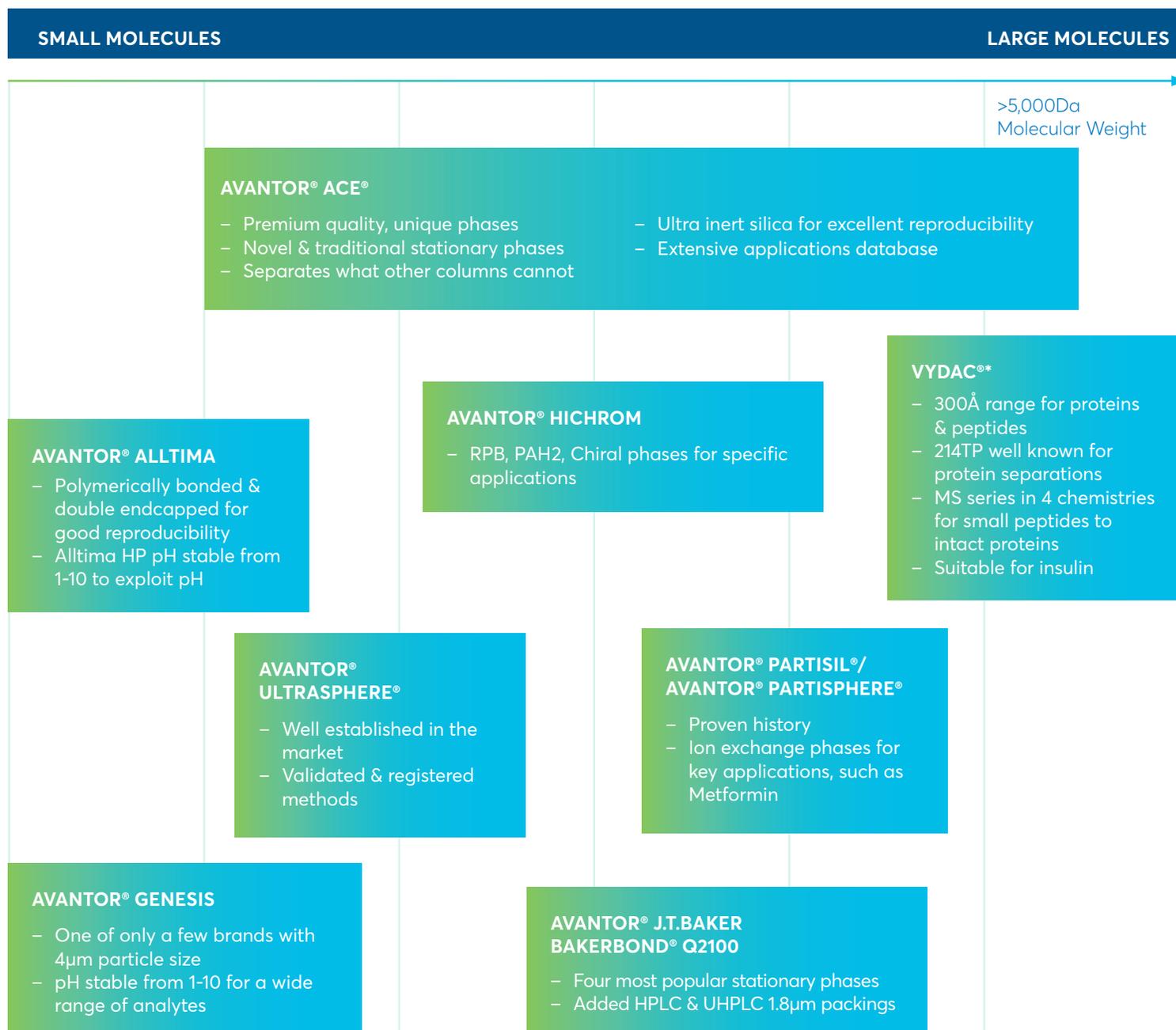
THE FIRST RANGE OF WIDE PORE MEDIA PHASES DEVELOPED IN THE VYDAC RANGE AND BECAME THE INDUSTRY STANDARD FOR PEPTIDE AND PROTEIN SEPARATIONS

- Long column lifetime and negligible phase leaching
- Reliable protein purifications, scalable from analytical to preparative scale
- Referenced in a large number of patents and publications
- USP L26

Column format	Column hardware	Phase	I.D.×L	Packing material	Particle size	Pore size	Cat. No.
Analytical	Stainless Steel	C4	4.6×250 mm	Silica	5 µm	300 Å	75798-756

Avantor's portfolio of manufactured U/HPLC columns

Our trusted U/HPLC columns solve a full range of chromatography challenges and are manufactured in ISO 9001/ ISO 14001 accredited production facilities.



FREE Technical Support & Advice on any U/HPLC brand column or method: vwr.technical@hichrom.com

*Vydac is a registered trademark of W.R. Grace and Co.

AVANTOR® J.T.BAKER BAKERBOND® SPE COLUMNS

DISPOSABLE POLYPROPYLENE COLUMNS ARE PREPACKED WITH SELECTIVE REVERSED PHASE, POLAR, AND ION EXCHANGE ORGANOSILANES BONDED TO 40 MM, 60 Å, AND 275 Å SILICA GEL ABSORBENTS AND SIZE EXCLUSION GELS

Description	Phase	Capacity	Packing material	Particle size	Pore size	Bed weight	Cat. No.
Disposable extraction column	Octadecyl	6 ml	Silica	40 µm	60 Å	500 mg	JT70206

AVANTOR® HICHROM PREVAIL™ ORGANIC ACID HPLC COLUMNS

HPLC COLUMNS EXHIBIT LONG COLUMN LIFETIME IN BOTH HIGHLY AQUEOUS AND HIGHLY ORGANIC MOBILE PHASES

- Stable from highly organic to highly aqueous
- Speciality phases for specific applications
- Excellent sensitivity with microbore and ELSD applications
- USP L1

Description	Column format	Phase	I.D.×L	Packing material	Particle size	Cat. No.
Column	Analytical	Organic Acid	4.6 x 150 mm	Silica	5 µm	75797-838

AVANTOR® J.T. BAKER® BAKERBOND® SPEEDISK™ EXTRACTION DISKS AND STATIONS

DISKS ARE PREASSEMBLED FOR USE IN PREPARING AQUEOUS SAMPLES FOR ANALYSIS

Description	Cat. No.
Extraction Disks	
Extraction disk C18, for use in EPA methods 500 series, 608 SW 846/3535 and with slightly polar to non-polar industrial samples, 50 mm	JT80556
Extraction disk C8, for Diquat, Paraquat, EPA method 549.1	JT80576
Extraction disk oil and grease for use with slightly polar to non-polar hydrocarbons, EPA method 1664, Rev. A	JT80606
Extraction Stations	
Extraction station, compact, six-port	JT8095-6
Accessory	
Glass Reservoir, 1 l	JT8104-1



VWR® 96-WELL POLYPROPYLENE MICROPLATES

DESIGNED FOR CHROMATOGRAPHY AND HIGH THROUGHPUT SCREENING (HTS) APPLICATIONS

- SBS and ANSI standard footprint
- Low binding virgin PP for homogenous assays and storage
- -80 to +121 °C tolerant

Description	Well volume	Height	Top diameter	Color	Well shape	Cat. No.
Polypropylene deep square well microplate	1000 µl	44 mm	Square	Natural	Conical	76397-580
Polypropylene deep well microplate	2000 µl	44 mm	7 mm	Natural	Round	76397-576
Accessories						
EVA microplate cover, square well	-	-	-	-	-	76397-834
Silicone microplate cover, thin pre-cut, round well, 7 mm Ø	-	-	-	-	-	76397-828

J.T.BAKER® ION EXCHANGE RESINS, BEADS, BAKER ANALYZED® IONAC® NM-60 H+/OH⁻ FORM, TYPE I (16-50 MESH (MIXED BED EXCHANGER))

- Management of Change (MOC) category = N
- Strong acid/strong base; sulphonated/alkyl quaternary ammonium polystyrene

Size	Cat. No.
500 g	JT4631-1

J.T.BAKER® SILICA GEL, BAKER ANALYZED® 80-200 MESH

- Management of Change (MOC) category = N
- For column chromatography and scale-up of TLC procedures.

Size	Packaging	Cat. No.
500 g	Wide mouth amber glass bottle	JT3404-1

J.T.BAKER® SILICA GEL, BAKER ANALYZED® (4-10 MESH) DESICCANT, WITH MOISTURE INDICATOR

- Management of Change (MOC) category = N

Size	Packaging	Cat. No.
2.5 kg	White poly bottle, blue tamper evident cap	JT3402-5

AVANTOR® J.T.BAKER® BAKERBOND™ POLYCSX MULTIMODE ION EXCHANGE CHROMATOGRAPHY MEDIA

- Multimode ion exchanger which primarily functions as a strong cation exchanger over a wide pH range

Description	Size	Particle size	Pore size	Packaging	Cat. No.
BAKERBOND® XWP 500 PolyCSX-35	50 ml	35 µm	500 Å	Square poly bottle inside carton	JT7587-1
BAKERBOND® XWP 500 PolyCSX-35	100 ml	35 µm	500 Å	Square poly bottle inside carton	JT7587-2

J.T.BAKER® BAKERBOND® PROCHIEVA™ RECOMBINANT PROTEIN A, AFFINITY CHROMATOGRAPHY RESIN

SUPERIOR DYNAMIC BINDING CAPACITY WITH EXCELLENT ALKALINE STABILITY LINKED TO AVANTOR'S PROPRIETARY LIGAND

- Available in 25 ml, 100 ml, 500 ml, 1 L and 5 L sizes, please contact your VWR representative for pricing on the larger sizes

Description	Pack size	Particle size	Cat. No.
BAKERBOND® PROchievA™ protein A resin	25 ml	FIO (Target 68µm-78µm)	JT7899-01
BAKERBOND® PROchievA™ protein A resin	100 ml	FIO (Target 68µm-78µm)	JT7899-02

AVANTOR® J.T.BAKER® BAKERBOND™ POLYPEI MULTIMODE ION EXCHANGE CHROMATOGRAPHY MEDIA

- Multimode ion exchanger functioning as a weak anion exchanger over a wide pH range

Description	Size	Particle size	Pore size	Packaging	Cat. No.
BAKERBOND® XWP 500 PolyPEI-35	100 ml	35 µm	500 Å	Square poly bottle inside carton	JT7585-02
BAKERBOND® XWP 500 PolyPEI-35	500 ml	35 µm	500 Å	Square poly bottle inside carton	JT7585-03

AVANTOR® J.T.BAKER® BAKERBOND™ POLYQUAT MULTIMODE ION EXCHANGE CHROMATOGRAPHY MEDIA

- Multimode ion exchanger functioning as a strong anion exchanger over a wide pH range

Description	Size	Particle size	Pore size	Packaging	Cat. No.
Poly QUAT (PEI and Quaternary Amine), Strong Anion Exchanger Media	500 ml	35 µm	500 Å	Square poly bottle inside carton	JT7603-03
Poly QUAT (PEI and Quaternary Amine), Strong Anion Exchanger Media	1 L	35 µm	500 Å	Round poly bottle inside carton	JT7603-04

AVANTOR® J.T.BAKER® BAKERBOND™ POLY HI-PROPYL MULTIMODE ION EXCHANGE CHROMATOGRAPHY MEDIA

- Polymeric based hydrophobic interaction (HIC) media
- Purification of proteins based on differential salt induced hydrophobicity

Description	Size	Particle size	Pore size	Packaging	Cat. No.
BAKERBOND® XWP 500 Poly Hi-Propyl 35	1 L	35 µm	500 Å	Round poly bottle inside carton	JT7588-04
BAKERBOND® XWP 500 Poly Hi-Propyl 35	5 L	35 µm	500 Å	Round poly bottle inside poly pail	JT7588-05



Accessories	Cat. No.
BAKERBOND® PROchievA™ protein A resin, lab column, box of 1	JTC789-11
BAKERBOND® PROchievA™ protein A resin, lab column, box of 5	JTC789-07
BAKERBOND® PROchievA™ protein A resin, lab column, box of 1	JTC789-18
BAKERBOND® PROchievA™ protein A resin, lab column, box of 5	JTC789-25



VWR® ION CHROMATOGRAPHY (IC) POLYVIALS

COMPATIBLE WITH DIONEX® AND METROHM-PEAK® AUTOSAMPLERS

- Vials for Ion Chromatography analysis of Environmental, Water/Wastewater, Pharmaceutical, and Research samples
- Filter cap vials provide in-line filtration, reducing sample treatment and overall cost
- Caps are compatible with Dionex® AS-40 and AS-DV Autosamplers
- Conical 12 ml polypropylene vial has pierceable top for easy needle penetration
- Vial is compatible with Metrohm-Peak® Autosampler

Description	Material	Capacity	For use with	Cap type	Cat. No.
IC Vial for Dionex Autosampler with Filter Cap	PP	5 ml	Dionex® AS-40/AS-DV Autosamplers	40–60 µm Porous Filter	10571-344



VWR® 9 MM SCREW-THREAD VIALS

VIALS ARE SPECIFICALLY DESIGNED WITH A CRIMP CAP PROFILE FOR ROBOTIC ARM AUTOSAMPLERS BUT HAVE EASY-TO-USE SCREW-THREAD CAPS

- Ideal for use with autosamplers
- Crimp-top cap profile for robotic arm autosamplers
- Easy-to-use screw caps included with vial kits

Description	Capacity	O.D.×H	Color	Cat. No.
Vials				
Screw Thread Glass Vials, Flat Bottom	2 ml	12×32 mm	Clear	46610-722
Screw Thread Glass Vials with ID Patch, Flat Bottom	2 ml	12×32 mm	Clear	46610-724
Screw Thread Glass Vials with ID Patch, Flat Bottom	2 ml	12×32 mm	Amber	46610-726
Accessories				
Screw Caps	-	-	-	89239-020
Conical Glass Insert with Poly-Support Spring for Wide Mouth Vials	-	-	-	46610-762



VWR® VERSATILE 11 MM DUAL CRIMP-TOP/SNAP-CAP VIALS

VIALS FEATURE A VERSATILE NECK THAT ALLOWS CLOSURE BY EITHER SNAP-CAP SEALS OR ALUMINUM CRIMP SEALS

- Versatile neck accepts snap-cap or crimp seal
- 40% wider opening than standard vials
- Reduced needle damage

Vials					
Snap-Cap Vials, Flat Bottom	2 ml	12x32 mm	Clear		66009-822

Description	Cap color	Cap size	Cap type	Septa type	Cat. No.
Accessories					
Snap Caps	Clear	11 mm	Polyethylene	Red PTFE/White Silicone	46610-720
Snap Caps	Blue	11 mm	Polyethylene	Blue PTFE/White Silicone, Pre-Slit	89239-014



VWR® INSERTS FOR 11 MM STANDARD OPENING CRIMP-TOP VIALS

Description	Capacity	Diameter xH	Color	Cat. No.
Conical Glass Insert with Poly-Support Spring for Wide Mouth Vials	375 µL	6x31 mm	Clear	46610-762



VWR® VIALS AND CLOSURES CONVENIENCE KITS FOR SHIMADZU HPLC AUTOSAMPLERS

CONVENIENCE KITS ARE COMPATIBLE WITH SHIMADZU™ PROMINENCE HPLC SYSTEMS AND NEXERA X2 UHPLC/HPLC SYSTEMS

- Soft durometer silicone septa
- Optimal needle penetration
- Compatible with Shimadzu™ Prominence HPLC Systems
- Compatible with Nexera X2 UHPLC/HPLC Systems

Description	Capacity	O.D.xH	Cap color	Cap material	Cap size	Color	Septa type	Cat. No.
Convenience Kit, with ID Patch	2 ml	12x32 mm	Blue	PP	9-425	Clear	PTFE/Soft Durometer Silicone	89523-478



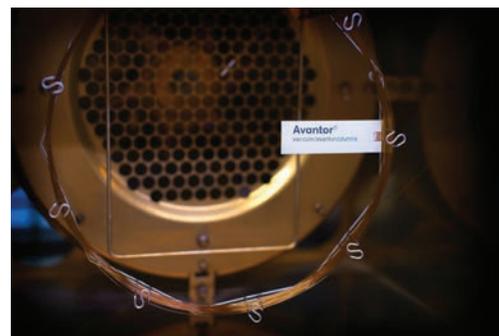
VWR® MANUAL CRIMPING AND DECRIMPING TOOLS

CRIMPING TOOLS PROVIDE SECURE VIAL CLOSURE

- Easy and convenient handling
- Durable, high quality construction
- Crimper size clearly labeled for quick identification

Description	Seal size	Cat. No.
VWR® Manual Crimper	20 mm	76047-562
VWR® Manual Decapper	20 mm	76047-570

Hichrom GC Columns



AVANTOR® HICHROM HI-5 GC COLUMNS

VERSATILE GENERAL PURPOSE LOW-POLARITY PHASE FOR A WIDE RANGE OF APPLICATIONS, INCLUDING: PCBs, ESSENTIAL OILS, PESTICIDES, SEMIVOLATILES AND MANY MORE

- Phase composition: Crossbonded 5% phenyl - 95%Methyl Polysiloxane
- Long lifetime

Description	I.D.×L	Film thickness	Cat. No.
GC column	0.20 mm × 60 m	0.40 µm	76434-970

AVANTOR® HICHROM HI-ACID (FFAP) GC COLUMNS

VERY POPULAR NITROTEREPHTHALIC-ACID-MODIFIED POLYETHYLENE GLYCOL (PEG) COLUMN OF HIGH POLARITY FOR THE ANALYSIS OF FREE FATTY ACIDS, PHENOLS, ALCOHOLS, GLYCOLS

- Temperature range*: 35...250 °C
- Phase composition: Crossbonded nitroterephthalic-acid-modified polyethylene glycol (PEG)
- Long lifetime

Description	I.D.×L	Film thickness	Cat. No.
GC column	0.18 mm × 10 m	0.18 µm	76426-274

AVANTOR® HICHROM HI-ALC 1 GC COLUMNS

APPLICATION SPECIFIC COLUMN FOR BLOOD ALCOHOLS TESTING

- Max temperature limits may change depending on the film thickness

Description	I.D.×L	Film thickness	Cat. No.
GC column	0.32 mm × 30 m	1.50 µm	76426-532

AVANTOR® HICHROM HI-BASIC GC COLUMNS

APPLICATION SPECIFIC COLUMN FOR BASIC COMPOUNDS (E.G. AMINES)

- Max temperature limits may change depending on the film thickness

Description	I.D.×L	Film thickness	Cat. No.
GC column	0.25 mm × 25 m	0.15 µm	76426-544

AVANTOR® HICHROM HI-PAH GC COLUMNS

APPLICATION SPECIFIC COLUMN FOR POLYCYCLIC AROMATICS HYDROCARBONS

- Max temperature limits may change depending on the film thickness

Description	I.D.×L	Film thickness	Cat. No.
GC column	0.20 mm × 100 m	0.50 µm	76427-128

AVANTOR® HICHROM HI-1 PONA GC COLUMNS

OPTIMIZED PHASE FOR DHA (DETAILED HYDROCARBONS ANALYSIS), PONA, PIANO AND PNA ANALYSIS

- Max temperature limits may change depending on the film thickness

Description	I.D.×L	Film thickness	Cat. No.
GC column	0.18 mm × 20 m	0.10 µm	76428-216



VWR® SELF-CONTAINED NITROGEN GENERATOR

SELF-CONTAINED MEMBRANE NITROGEN GENERATOR PRODUCES LC/MS GRADE NITROGEN WITH A MAXIMUM OUTPUT PRESSURE OF 116PSIG AND MAXIMUM FLOW CAPACITY OF 30L/MIN

- Continuous or on-demand nitrogen supply
- Reliable, durable generator
- Special sound insulation design ensures quiet operation

Description	Cat. No.
VWR® Self-Contained Nitrogen Generator	97021-300

VWR® HYDROGEN GENERATORS (CARRIER AND FUEL GAS)

THE CARRIER GRADE HYDROGEN GAS GENERATOR IS A COMPLETE SYSTEM

- Proton exchange membrane cell
- Internally controlled electro-chemical cell protection system with pump hydration
- Simple touchscreen user interface
- Color changing backlit display system
- Extra-large internal water reservoir,
- 0.25" compression output connection port
- RS485 serial connection port for optional remote monitoring and control system
- Three-year standard system cell warranty

Flow rate	Pressure range	Cat. No.
510 cc/min.	100 psig	89497-446

VWR® GENERATOR SERVICE

Description	Cat. No.
24 Month Service	89497-502



VWR® MULTISTAGE GAS REGULATORS WITH NEOPRENE DIAPHRAGMS

DESIGNED FOR APPLICATIONS WHERE A CONSTANT WORKING PRESSURE IS IMPORTANT OVER A WIDE RANGE OF INLET PRESSURES AND FLOW RATES

- Solderless construction for easy maintenance
- Solid forged brass body contains two regulators
- First stage reduces full cylinder pressure to 90%
- Sintered inlet filter removes particulates, tank scale, and rust from gas stream

Gas	Gas	Delivery pressure gauge	Delivery range	Flow capacity standard	Inlet cga	Supply pressure gauge	Cat. No.
Carbon Dioxide	Carbon Dioxide	60 psig	0-50 psi	1800 CFH	320	4000 psig	55850-480



VWR® MULTISTAGE GAS REGULATORS WITH STAINLESS STEEL DIAPHRAGMS

USED FOR GAS CHROMATOGRAPHY APPLICATIONS WHERE A CONSTANT WORKING PRESSURE IS IMPORTANT OVER A WIDE RANGE OF INLET PRESSURES AND FLOW RATES

- Solderless construction for easy maintenance
- Solid forged brass body contains two regulators
- First stage reduces full cylinder pressure to 90%
- Sintered inlet filter removes particulates, tank scale, and rust from gas stream
- Stainless steel diaphragms

Gas	Gas	Delivery pressure gauge	Delivery range	Flow capacity standard	Inlet cga	Supply pressure gauge	Cat. No.
Argon, Nitrogen, Helium	Argon, Nitrogen, Helium	200 psig	1-125 psi	1445 CFH/1730 CFH/4590 CFH	580	4000 psig	55850-424



VWR® HIGH-PURITY TWO-STAGE GAS REGULATORS, BRASS

BRASS BARSTOCK BODY IS SUITABLE FOR HIGH-PURITY APPLICATIONS, RESEARCH SAMPLE SYSTEMS, PROCESS ANALYZERS, GAS CHROMATOGRAPHY, EPA PROTOCOL MIXES, LASER GAS SYSTEMS, AND EMISSION MONITORING SYSTEMS

- Suitable for high-purity applications
- Two-stage design for constant outlet pressure
- Stainless steel diaphragm prevents contaminations
- One-piece PTFE encapsulated seat design with sintered filter

Gas	Gas	Delivery pressure gauge	Flow capacity standard	Inlet cga	Cat. No.
Argon, Nitrogen, Helium	Argon, Nitrogen, Helium	1-125 psig	1020 CFH/1220 CFH/3200	580	55850-624



VWR® FID GAS STATIONS

PROVIDE FUEL GAS AND SUPPORT AIR TO FLAME IONIZATION DETECTORS, FLAME PHOTOMETRIC DETECTORS, AND TOTAL HYDROCARBON ANALYZERS

- Eliminate dangerous gas cylinders from lab
- Recommended and used by major GC and column manufacturers

Max. no. of fids	Hydrogen flow capacity	Zero air flow capacity	Cat. No.
2	90 cc/min.	1000 cc/min.	26000-034

Single Use for Bioprocessing

BOTTLETOP ASSEMBLIES

TUBING

TOPMIXERS

BAGS

TRANSFER HOSE





AVANTOR® STERILE PETG SINGLE-USE BOTTLE ASSEMBLIES

STERILE PETG CONTAINERS WITH WELDABLE TUBING PROVIDE THE MAXIMUM AMOUNT OF FLEXIBILITY AND RELIABILITY

- Sterile bottles come individually bagged and process ready
- Multiple bottle sizes allow for process-specific flexibility
- Gamma irradiated to Sterility Assurance Level (SAL) 10⁻⁶

Capacity	Tubing length	Cap size	Tubing connection	Tubing material	Tubing size	Cat. No.
125 ml (4 oz.)	Port 1: 24" Port 2: 3"	38-430	Port 1: PP Tube Plug Port 2: 25mm Hydrophobic PE Vent Filter	C-Flex	Port 1: 1/8 x 1/4" Port 2: 1/8 x 1/4"	10830-292
250 ml (8 oz.)	Port 1: 24" Port 2: 3"	38-430	Port 1: PP Tube Plug Port 2: 25mm Hydrophobic PE Vent Filter	C-Flex	Port 1: 1/8 x 1/4" Port 2: 1/8 x 1/4"	10830-294
500 ml (16 oz.)	Port 1: 24" Port 2: 3"	38-430	Port 1: PP Tube Plug Port 2: 25mm Hydrophobic PE Vent Filter	C-Flex	Port 1: 1/8 x 1/4" Port 2: 1/8 x 1/4"	10830-296
1000 ml (32 oz.)	Port 1: 24" Port 2: 3"	38-430	Port 1: PP Tube Plug Port 2: 25mm Hydrophobic PE Vent Filter	C-Flex	Port 1: 1/8 x 1/4" Port 2: 1/8 x 1/4"	10830-298
2000 ml (64 oz.)	Port 1: 24" Port 2: 3"	53 B	Port 1: PP Tube Plug Port 2: 50mm Hydrophobic PTFE Vent Filter	C-Flex	Port 1: 1/8 x 1/4" Port 2: 1/4" x 3/8"	75835-988
2000 ml (64 oz.)	Port 1: 12" Port 2: 3" Port 3: 12"	53B	Port 1: PP Tube Plug Port 2: 50mm PTFE Vent Filter Port 3: PP Tube Plug	C-Flex	Port 1: 3/8 x 1/2" Port 2: 1/4 x 3/8" Port 3: 3/8 x 1/2"	10830-300

AVANTOR® OMNITOP ASSEMBLIES, PRE-STERILIZED SINGLE-USE SAMPLE TUBES®

EACH OMNITOP TUBE COMES WITH A PRE-ATTACHED 0.2MM VENT FILTER AND 18" OF TUBING (C-FLEX®, TYGON®, SILICONE OR PHARMED®)



- Customizable cap system
- Unique cap design allows for complete customization
- Ability to use different ID and OD tubing diameters
- Wide selection of tubing materials
- Easily configured with virtually any type of tubing
- Single-use
- Cost effective
- Reduced assembly and installation time
- Eliminate cleaning validation
- Flexible manufacturing
- Design permits quick delivery on small lots
- Closure system can be used with various glass bottles
- Available individually packaged or configured in manifold

Description	Material	Capacity	Cat. No.
OmniTop 15 ml Sample Tubes			
OmniTop Assembly, C-Flex®, Gamma	Polypropylene	15 ml	75840-758
OmniTop Assembly, C-Flex®, Dip Tube, Gamma	Polypropylene	15 ml	75840-754
OmniTop Assembly, C-Flex®, Seal and Trim, Gamma	Polypropylene	15 ml	75840-760
OmniTop Assembly, C-Flex®, Dip Tube, Seal and Trim, Gamma	Polypropylene	15 ml	75840-756
OmniTop Assembly, C-Flex®, Gamma	Polystyrene	15 ml	75840-766
OmniTop Assembly, C-Flex®, Seal and Trim, Gamma	Polystyrene	15 ml	75840-768
OmniTop Assembly, C-Flex®, Dip Tube, Seal and Trim, Gamma	Polystyrene	15 ml	75840-764
OmniTop 50 ml Sample Tubes			
OmniTop Assembly, C-Flex®, Gamma	Polypropylene	50 ml	75840-774
OmniTop Assembly, C-Flex®, Dip Tube, Gamma	Polypropylene	50 ml	75840-770
OmniTop Assembly, C-Flex®, Seal and Trim, Gamma	Polypropylene	50 ml	75840-776
OmniTop Assembly, C-Flex®, Dip Tube, Seal and Trim, Gamma	Polypropylene	50 ml	75840-772

Global single-use expertise and capabilities

Our capabilities are unique: we are the only open-architecture, single-use provider to offer complete design, manufacturing and logistics to support every stage of your biomanufacturing process—wherever your operations are located across the globe.

We supply what you need most:

- Expertise dedicated to solving your challenges using the latest single-use systems
- Efficiency that lets us custom fit our technology to your needs
- Quality combined with choice, so you have the right single-use products on hand when you need them
- Supply chain security and convenience to help produce critical therapies quickly and safely



QUALITY & CHOICE

- Open Architecture Model vertically integrated on bags, stoppers and fittings supporting choice of your systems
- Comprehensive Supplier Management Program with qualified first and second sources of key components
- Complete sterility validation program to mitigate risk



EXPERTISE

- Extensive fluid handling connectivity knowledge
 - Single-use facilities
 - Hybrid facilities
 - Conversion from Self-Assembled Parts
- Collaborative approach to designing your solution



CONVENIENCE

- Local single-use experts
- Expedited design and approval process
 - Designs < 5 days
 - Validation Packs < 5 days
- Global logistics footprint
- 100+ standard products



CUSTOMIZATION

- Fully custom solutions designed for specific applications
- Ability to develop custom components and parts
- Customized skid systems with disposable fluid paths



AVANTOR® TOPMIXER SINGLE-USE OPEN TOP MIXING SYSTEMS

MODULAR MIXING SYSTEM WITH TOP MOUNTED MIXER FOR USE WITH DRUMS

- Includes single use liner for your biopharma processes with integrated formulation programming
- Custom solution to meet your application
- Versatile design for efficient scaling
- Programmable control enables automation
- Ergonomic design includes 1 controller for all functions
- Choice of 2 system sizes: TopMixer 200 - range from 50 to 200 L, or TopMixer 500 - range from 200 to 560 L
- Integrated formation programming to automate mixing recipes utilizing 7" touch screen control system to automate your process
- System can be customized to meet your unique manufacturing specifications from platform to accessories
- Compatible with Avantor's full suite of single-use solutions including tank liners and other accessories

Description	Electrical	W×H×D	Capacity range	Cat. No.
Avantor TopMixer 200 package, mixing rate: 0 - 1000 rpm, mixer motor 0.72 kW, weighing range accuracy 0 - 440 kg, (includes TopMixer 200 frame, Advanced trolley with loadcells, mixing impellor and 3 containers)	240 VAC; 50/60 Hz; single phase	Frame: 1302×1175×1781 mm, Trolley and loadcell: 850×1090×116 mm	50 - 200 L	76447-172
Avantor TopMixer 500 package, mixing rate: 0 - 1000 rpm, mixer motor: 0.72 kW, weighing range accuracy 0 - 880 kg, (includes TopMixer 500 frame, Advanced trolley with loadcells, mixing impellor and 3 containers)	240 VAC; 50/60 Hz; single phase	Frame: 1302×1175×2081 mm, Trolley and loadcell: 850×1140×116 mm	200 - 560 L	76447-174

Global single-use expertise and capabilities

Our capabilities are unique: we are the only open-architecture, single-use provider to offer complete design, manufacturing and logistics to support every stage of your biomanufacturing process—wherever your operations are located across the globe.

We supply what you need most:

- Expertise dedicated to solving your challenges using the latest single-use systems
- Efficiency that lets us custom fit our technology to your needs
- Quality combined with choice, so you have the right single-use products on hand when you need them
- Supply chain security and convenience to help produce critical therapies quickly and safely





AVANTOR® SINGLE-USE BIOPROCESSING BAGS

TRANSFER AND STORE YOUR PRODUCTS THROUGHOUT THE DRUG-MANUFACTURING PROCESS

- Bag film made from proprietary ULDPE with high clarity and flexibility
- Standard 2D bag assemblies provided at volumes ranging from 50 ml to 50 L
- Standard 3D bag chambers of 100 L, 200 L, and 500 L for faster custom assembly deliveries
- Custom 3D bag chamber volumes up to 3000 L for large volume processes
- Bag assemblies provided irradiated with SAL 10⁻⁶ and USP Class VI certification

Description	Capacity	Cat. No.
Pillow bag, 2 ports welding	50 ml	76358-704
Pillow bag, 2 ports Luer	50 ml	76358-706
Pillow bag, 2 ports MPC	50 ml	76358-708
Pillow bag, 2 ports welding	500 ml	76358-710
Pillow bag, 2 ports Luer	500 ml	76358-712
Pillow bag, 2 ports MPC	500 ml	76358-714
Pillow bag, 2 ports welding	1 L	76358-682
Pillow bag, 2 ports Luer	1 L	76358-684
Pillow bag, 2 ports MPC	1 L	76358-686
Pillow bag, 3 ports welding	5 L	76358-696
Pillow bag, 3 ports MPC	5 L	76358-698
Pillow bag, 3 ports welding	10 L	76358-688
Pillow bag, 3 ports MPC	10 L	76358-690
Pillow bag, 2 ports welding	20 L	76358-692
Pillow bag, 3 ports MPC	20 L	76358-694
Pillow bag, 2 ports welding	50 L	76358-700
Pillow bag, 3 ports MPC	50 L	76358-702



AVANTOR® SINGLE-USE HIGH PRESSURE TRANSFER HOSE WITH STERILENZ™ CONNECTIONS

MAINTAIN THE DURABILITY OF HIGH-PRESSURE HOSE PRODUCTS WHILE PROVIDING THE BENEFITS AND FLEXIBILITY OF SINGLE-USE ASSEMBLIES

- Suitable for elevated temperatures and pressures up to 150 psi
- 1" inner diameter for high flow rate applications
- Gamma-irradiated with SAL 10⁻⁶
- Offered at 5 and 10 foot lengths
- Gasket affixed to TC face even when disconnected to prevent misalignment

Description	Length	I.D.	Cat. No.
Reinforced silicone hose	60"	1"	76379-730
Reinforced silicone hose	120"	1"	76379-732

Chemicals

A-to-Z portfolio of our most
in-demand, top-selling chemicals



A

Chemical Description	Packaging	Size	Cat. No.
Acetic acid ≥99%, for trace metal analysis, VWR Chemicals BDH® ARISTAR® PLUS	Poly bottle	2.5 L	87003-241
Acetic acid glacial ≥99% USP/BP/Ph. Eur./JP, Multi-compendial, J.T. Baker®	Clear glass bottle, poly coated	2.5 L	JT9526-33
Acetic acid glacial ≥99.5% FCC/USP, J.T. Baker®	Glass bottle	2.5 L	JT9522-3
Acetic acid glacial ≥99.5% FCC/USP, J.T. Baker®	Clear glass bottle, poly coated	2.5 L	JT9522-33
Acetic acid glacial ≥99.7% for HPLC, J.T. Baker®	Clear glass bottle	2.5 L	JT9515-3
Acetic acid glacial 99.7-100.5% ACS/USP/FCC, VWR Chemicals BDH®	Clear glass bottle, poly coated	2.5 L	BDH3096-2.5LPC
Acetic acid ≥99.7%, BAKER ANALYZED® ACS, J.T.Baker®	Poly bottle	4 L	JT9508-6
Acetic acid glacial ≥99.9%, J.T. Baker®	Clear glass bottle, poly coated	2.5 L	JT9524-33
Acetone ≥99.3%, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9002-3
Acetone ≥99.3%, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9002-33
Acetone ≥99.4%, ULTRA RESI-ANALYZED™ for organic residue analysis, J.T.Baker®	Narrow mouth amber glass bottle	4 L	JT9254-3
Acetone ≥99.5% FCC/NF, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9008-3
Acetone ≥99.5%, BAKER ANALYZED® ACS, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9006-33
Acetone ≥99.5%, BAKER ANALYZED® ACS, J.T. Baker®	Aluminum bottle	4 L	JT9006-5
Acetone ≥99.5% ACS, VWR Chemicals BDH®	Glass bottle	4 L	BDH1101-4LG
Acetone ≥99.5% ACS, VWR Chemicals BDH®	Poly bottle	4 L	BDH1101-4LP
Acetonitrile ≥99.5% ACS, VWR Chemicals BDH®	Glass bottle	4 L	BDH1103-4LG
Acetonitrile ≥99.5% ACS, VWR Chemicals BDH®	Poly bottle	4 L	BDH1103-4LP
Acetonitrile, low water content ≥99.5% ACS, VWR Chemicals BDH®	Glass bottle	4 L	BDH1105-4LG
Acetonitrile, low water content ≥99.8%, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9018-3
Acetonitrile ≥99.9%, HiPerSolv CHROMANORM® for LC-MS, VWR Chemicals BDH®	Glass bottle	4 L	BDH83640.400
Acetonitrile ≥99.9%, BAKER ANALYZED® for HPLC, for HPLC far-UV, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9012-3
Acetonitrile ≥99.9% for HPLC, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9017-3
Acetonitrile ≥99.9% for HPLC, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9017-33
Acetonitrile ≥99.9%, BAKER ANALYZED® LC-MS Reagent for LC-MS, for HPLC, J.T.Baker®	Narrow mouth amber glass bottle	4 L	JT9829-3
Acetonitrile, anhydrous (max. 0.003% H ₂ O) ≥99.9%, HiPerSolv CHROMANORM®, super gradient grade for HPLC, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH83639.400
Acetonitrile, anhydrous ≥99.9% for DNA synthesis, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH85501.400
Alcohol ≥70%, Reagent Grade (denatured with methanol and isopropanol), VWR Chemicals BDH®	Poly bottle	4 L	BDH1164-4LP
Alcohol, (20% H ₂ O) ≥80%, Reagent alcohol (denatured with methanol and isopropanol), VWR Chemicals BDH®	Poly bottle	4 L	BDH1162-4LP
Alcohol, anhydrous, PHOTREX® for spectrophotometry, for liquid chromatography (denatured with 5% isopropanol and 5% methanol), J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9229-3
Alcohol, anhydrous 94.0-96.0%, BAKER ANALYZED® ACS (denatured with 4.8% methanol), J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9401-33
Alcohol, anhydrous 94.0-96.0%, BAKER ANALYZED® ACS (denatured with 4.8% methanol), J.T. Baker®	Poly bottle	4 L	JT9401-6
Ammonia solution 28 - 30%, VWR Chemicals BDH® ARISTAR® ACS	Clear glass bottle, poly coated	2.5 L	BDH3018-2.5LPC
Ammonia solution 30%, J.T. Baker®	Poly bottle, pressure bottom	4 L	JT9733-3
Ammonium acetate ACS, VWR Chemicals BDH®	Poly bottle	2.5 kg	BDH9204-2.5KG
Ammonium hydrogen carbonate 21,30 - 21,73% (NH ₃ basis), powder, BAKER ANALYZED®, J.T.Baker®	Poly bottle	2.5 kg	JT3003-5
Ammonium sulfate 99.0-100.5% NF Endotoxin Tested, J.T. Baker®	White Poly Bottle, Blue Tamper Evident Cap	2.5 kg	JT0798-05
Ammonium sulphate ACS, VWR Chemicals BDH®	Poly bottle	2.5 kg	BDH9216-2.5KG
L(+)-Arginine 98.5-101.5% (dried basis) USP, FCC, Multi-compendial, Macron Fine Chemicals™	White poly bottle, blue tamper evident cap	1 kg	MK4932-06

B

Chemical Description	Packaging	Size	Cat. No.
Benzyl alcohol ≥98% BP/Ph. Eur./JP/NF, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9421-3
Benzyl alcohol 98.0-100.5% NF, Multi-compendial low in peroxide, J.T. Baker®	Amber glass bottle	4 L	JT9039-14
tert-Butyl methyl ether ≥99% for HPLC, for UV spectrophotometry, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9042-3
tert-Butyl methyl ether ≥99% stabilised ACS, VWR Chemicals BDH®	Glass bottle	4 L	BDH1139-4LG

C

Chemical Description	Packaging	Size	Cat. No.
Calcium chloride dihydrate 74.0-78.0%, BAKER ANALYZED® ACS, J.T. Baker®	Poly bottle	2.5 kg	JT1332-5
Chloroform ≥99.8% stabilised for HPLC/UHPLC, for spectrophotometry, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9175-3
Chloroform ≥99.8% stabilised for HPLC/UHPLC, for spectrophotometry, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9175-33
Chloroform ≥99.8% stabilised, HiPerSolv CHROMANORM® for HPLC, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH83626.400
Chloroform ≥99.8% stabilised, BAKER ANALYZED® ACS, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9180-33
Chloroform ≥99.8% stabilised ACS, VWR Chemicals BDH®	Glass bottle	4 L	BDH1109-4LG
Chloroform ≥99.90% stabilised, HiPerSolv CHROMANORM® for HPLC, VWR Chemicals BDH®	Amber glass bottle, poly coated	4 L	BDH83627.400
Citric acid monohydrate 99.5-100.5%, granular USP, Multi-compendial, J.T. Baker®	Wide mouth amber glass bottle w/ tamper-evident cap	500 g	JT0115-1
Citric acid monohydrate 99.5-100.5%, granular USP, Multi-compendial, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT0115-5
Citric acid monohydrate 99.5-100.5% (by anhydrous basis), crystalline powder FCC/USP, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT0120-5
Citric acid monohydrate ≥99.5%, granular BP/Ph. Eur./USP, Macron Fine Chemicals™	Poly pail w/ screw top	2.5 kg	MK77806
Cyclohexane ≥99% ACS, VWR Chemicals BDH®	Glass bottle	4 L	BDH1111-4LG
Cyclohexane ≥99.5%, HiPerSolv CHROMANORM® for HPLC, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH83629.400

D

Chemical Description	Packaging	Size	Cat. No.
Dichloromethane ≥99.5%, BAKER ANALYZED® ACS, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9324-33
Dichloromethane ≥99.5% stabilised ACS, VWR Chemicals BDH®	Glass bottle	4 L	BDH1113-4LG
Dichloromethane ≥99.8% stabilised for HPLC, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9315-3
Dichloromethane ≥99.8% stabilised for HPLC, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9315-33
Dichloromethane ≥99.8% stabilised, HiPerSolv CHROMANORM® for HPLC, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH23373.400
Dichloromethane ≥99.8% stabilised, ULTRA RESI-ANALYZED™ for organic residue analysis, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9264-3
Diethyl ether ≥98% stabilised ACS, VWR Chemicals BDH®	Clear glass bottle, poly coated	4 L	BDH1121-4LPC
Diethyl ether ≥99.9% unstabilised, HiPerSolv CHROMANORM® for HPLC, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH67003.400
Dimethyl sulphoxide, HiPerSolv CHROMANORM® for HPLC, VWR Chemicals BDH®	Amber glass bottle, poly coated	4 L	BDH67001.400
Dimethyl sulphoxide ≥99.9% USP, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9033-33
Dimethyl sulphoxide ≥99.9%, BAKER ANALYZED® ACS, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9224-3
Dimethyl sulphoxide ≥99.9% ACS, VWR Chemicals BDH®	Poly bottle	4 L	BDH1115-4LP
N,N-Dimethylacetamide ≥99.5%, HiPerSolv CHROMANORM® for HPLC, VWR Chemicals BDH®	Amber glass bottle, poly coated	4 L	BDH83636.400
N,N-Dimethylformamide ≥99.8% ACS, VWR Chemicals BDH®	Glass bottle	4 L	BDH1117-4LG
N,N-Dimethylformamide ≥99.8% ACS, VWR Chemicals BDH®	Poly bottle	4 L	BDH1117-4LP
N,N-Dimethylformamide ≥99.9%, HiPerSolv CHROMANORM® for HPLC, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH83634.400
Dipotassium hydrogen phosphate 98.0-100.5% (dried basis) USP, Multi-compendial, J.T. Baker®	Poly bottle w/ tamper-evident cap	500 g	JT3250-1
Dipotassium hydrogen phosphate ACS, VWR Chemicals BDH®	Poly bag in pail	2.5 kg	BDH9266-2.5KG
Disodium hydrogen phosphate, anhydrous 98.0-100.5% (dried basis) USP, Multi-compendial, J.T. Baker®	Wide mouth amber glass bottle w/ tamper-evident cap	500 g	JT3804-1
Disodium hydrogen phosphate heptahydrate 98.0-100.5% USP, J.T. Baker®	Wide mouth amber glass bottle w/ tamper-evident cap	500 g	JT3803-1
Disodium hydrogen phosphate heptahydrate 98.0-100.5% (dried basis), crystals USP Endotoxin Tested, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT3816-5
Disodium hydrogen phosphate heptahydrate 98-100.0% (dried basis), crystals USP, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT3817-5
Disodium hydrogen phosphate 98.0-100.5% (dried basis) USP/FCC, J.T. Baker®	Wide mouth amber glass bottle w/ tamper-evident cap	500 g	JT3827-1
Disodium hydrogen phosphate heptahydrate 98.0-102.0%, crystals, BAKER ANALYZED® ACS, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT3824-5
di-Sodium tetraborate decahydrate 99.0-105.0% NF, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT3574-5
di-Sodium tetraborate decahydrate 99.5-105.0%, crystals, BAKER ANALYZED® ACS, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT3568-5

E

Chemical Description	Packaging	Size	Cat. No.
Ethanol denatured, BDH HiPerSolv CHROMANORM for HPLC (denatured with 5% methanol), VWR Chemicals BDH®	Amber glass bottle	4 L	BDH67002.400
Ethanol denatured ACS (denatured with 5% isopropanol and 5% methanol), VWR Chemicals BDH®	Poly bottle	4 L	BDH1158-4LP
Ethanol denatured (denatured with 5% isopropanol and 5% methanol), VWR Chemicals BDH®	Poly bottle	4 L	BDH1160-4LP
Ethyl acetate ≥99.5% ACS, VWR Chemicals BDH®	Glass bottle	4 L	BDH1123-4LG
Ethyl acetate ≥99.5% ACS, VWR Chemicals BDH®	Poly bottle	4 L	BDH1123-4LP
Ethyl acetate ≥99.6% for HPLC/UHPLC, for chromatography, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9282-3
Ethyl acetate ≥99.6% for HPLC/UHPLC, for chromatography, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9282-33
Ethyl acetate ≥99.8%, HiPerSolv CHROMANORM® for HPLC, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH83621.400
Ethylene glycol ≥99%, BAKER ANALYZED®, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9300-3
Ethylene glycol ≥99%, Laboratory Reagent, VWR Chemicals BDH®	Poly bottle	4 L	BDH1125-4LP

F

Chemical Description	Packaging	Size	Cat. No.
Formaldehyde solution 37% stabilised, BAKER ANALYZED® ACS, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT2106-3
Formic acid 0,1% in acetonitrile, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9832-3
Formic acid 0,1% in water, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9834-3

G

Chemical Description	Packaging	Size	Cat. No.
D-(+)-Galactose ≥99% (by HPLC), Multi-compendial low in endotoxins, J.T. Baker®	Polyethylene Pail, Screw Top	1 kg	JT6322-05
D-(+)-Glucose, anhydrous USP, J.T. Baker®	Poly bottle w/ tamper-evident cap	500 g	JT1919-1
D-(+)-Glucose, anhydrous 97.5-102.0% (by anhydrous basis), granular USP, Macron Fine Chemicals™	Poly bottle	2.5 kg	MK490806
D-(+)-Glucose, anhydrous ≥99.5% BP/Ph. Eur./JP/USP, Multi-compendial, J.T. Baker®	Poly bottle	2.5 kg	JT1920-5
D-(+)-Glucose, anhydrous ≥99.5%, granular BP/Ph. Eur./JP/USP, Macron Fine Chemicals™	Poly bottle	2.5 kg	MK773006
Glutaraldehyde 25% in aqueous solution, BAKER ANALYZED®, J.T. Baker®	Narrow mouth amber glass bottle	4 l	JT2127-3
Glycerine (vegetable based) 99.0-101.0% (by anhydrous basis) USP, J.T. Baker®	Narrow mouth amber glass bottle	4 l	JT2142-3
Glycerine (vegetable based) 99.0-101.0% (by anhydrous basis) USP, Multi-compendial, J.T. Baker®	Narrow mouth amber glass bottle	4 l	JT2143-3
Glycerine 99.0-101.0% (by anhydrous basis) USP, Multi-compendial, J.T. Baker®	Narrow mouth amber glass bottle	4 l	JT2140-3
Glycerine ≥99%, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JTM778-9
Glycerine, anhydrous ≥99.5% (by GC), BAKER ANALYZED® ACS, J.T. Baker®	Narrow mouth amber glass bottle	4 l	JT2136-3
Glycerine ≥99.7%, Laboratory Reagent, VWR Chemicals BDH®	Poly bottle	4 L	BDH1172-4LP
Guanidinium hydrochloride 99.5-101.0%, white powder, GenAR® for biotechnology, Macron Fine Chemicals™	Mall Polystormor Poly/Plastic Bottle	500 g	MK050704

H

Chemical Description	Packaging	Size	Cat. No.
n-Heptane ≥99%, ULTRA RESI-ANALYZED™ for organic residue analysis, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9338-3
n-Heptane ≥99%, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9177-3
n-Heptane ≥99%, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9177-33
n-Heptane ≥99%, BAKER ANALYZED®, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JTM956-33
n-Heptane ≥99%, Laboratory Reagent, VWR Chemicals BDH®	Glass bottle	4 L	BDH1127-4LG
n-Heptane ≥99%, Laboratory Reagent, VWR Chemicals BDH®	Poly bottle	4 L	BDH1127-4LP
n-Hexane ≥95%, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9304-3
n-Hexane ≥95%, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9304-33
n-Hexane ≥97%, HiPerSolv CHROMANORM® for HPLC, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH24575.400
Hexane (mixture of isomers) ≥98.5%, BAKER ANALYZED® ACS, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9309-3
Hexane (mixture of isomers) ≥98.5% ACS, VWR Chemicals BDH®	Glass bottle	4 L	BDH1129-4LG
Hexane (mixture of isomers) ≥98.5% ACS, VWR Chemicals BDH®	Poly bottle	4 L	BDH1129-4LP
Hexane (mixture of isomers) ≥99.5% (n-hexane ≥95%), ULTRA RESI-ANALYZED™ for organic residue analysis, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9262-3
L(+)-Histidine BP/Ph. Eur./FCC/JPC (1997)/USP, J.T. Baker®	Poly bottle w/ tamper-evident cap	100 g	JT2080-5
L(+)-Histidine monohydrochloride monohydrate 98.5-101.5% (dried basis) FCC, Multi-compendial, Macron Fine Chemicals™	White Poly Bottle, Blue Tamper Evident Cap	1 kg	MK4942-06
Hydrochloric acid 32 - 35%, ultrapure for trace metal analysis, VWR Chemicals BDH® ARISTAR® ULTRA	FEP bottle	2 L	87003-220
Hydrochloric acid 34 - 37%, for trace metal analysis, VWR Chemicals BDH® ARISTAR® PLUS	HDPE bottle	2.5 L	87003-253
Hydrochloric acid 36,5 - 38,0% BP/Ph. Eur./JP/NF, J.T. Baker®	Clear glass bottle	2.5 L	JT9544-3
Hydrochloric acid 36,5 - 38,0% BP/Ph. Eur./JP/NF, J.T. Baker®	Clear glass bottle, poly coated	2.5 L	JT9544-33
Hydrochloric acid 36,5 - 38,0% ACS/NF/FCC, VWR Chemicals BDH®	Clear glass bottle, poly coated	2.5 L	BDH3030-2.5LPC
Hydrochloric acid 36,5 - 38,0%, BAKER ANALYZED® ACS, J.T. Baker®	Clear glass bottle, poly coated	2.5 L	JT9535-33
Hydrochloric acid 36,5 - 38,0%, J.T. Baker®	Clear glass bottle, poly coated	2.5 L	JT9530-33
Hydrochloric acid 50% (v/v) (1+1), BDH, VWR Chemicals BDH®	Poly bottle	4 L	BDH7418-4
Hydrochloric acid 2.0 N, Biotech Reagent, J.T. Baker®	Poly bottle, pressure bottom	4 L	JT0336-3
Hydrochloric acid 6 N, BAKER ANALYZED® volumetric solution, J.T. Baker®	Poly bottle, pressure bottom	4 L	JT5619-3
Hydrochloric acid 1 N, BAKER ANALYZED® volumetric solution, J.T. Baker®	Cubetainer®	4 L	JT5620-3
Hydrochloric acid 0.10 N, VWR Chemicals BDH®	Poly bottle	4 L	BDH7200-4
Hydrochloric acid 0.5 N, VWR Chemicals BDH®	Poly bottle	4 L	BDH7201-4
Hydrochloric acid 1.0 N, VWR Chemicals BDH®	Poly bottle	4 L	BDH7202-4
Hydrochloric acid 6.0 N, VWR Chemicals BDH®	Poly bottle	4 L	BDH7204-4
Hydrochloric acid 10% (v/v) (1+9), BDH, VWR Chemicals BDH®	Poly bottle	4 L	BDH7417-4
Hydrofluoric acid 48,0 - 51,0%, BAKER ANALYZED® ACS, J.T. Baker®	Poly bottle, bagged	4 L	JT9560-6
Hydrogen peroxide 2,5 - 3,5% stabilised USP, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT2182-3
Hydrogen peroxide 3% (w/w) in aqueous solution stabilised, VWR Chemicals BDH®	Poly bottle	4 L	BDH7540-4

Chemical Description	Packaging	Size	Cat. No.
Iodine solution 0.1 N, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH7207-4
IPTG (isopropyl-β-D-thiogalactopyranoside) ≥98% (by HPLC on dried basis), Biotech Reagent, J.T. Baker®	Wide mouth poly bottle	10 g	JTV264-01
Isobutanol ≥99%, BAKER ANALYZED® ACS, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9044-3

Chemical Description	Packaging	Size	Cat. No.
Lithium chloride ≥99%, BAKER ANALYZED® ACS, J.T. Baker®	Wide mouth amber glass bottle	2.5 kg	JT2370-5

M

Chemical Description	Packaging	Size	Cat. No.
Magnesium chloride hexahydrate ≥98% USP, Macron Fine Chemicals™	Poly bottle	2.5 kg	MK595606
Magnesium sulphate heptahydrate 99.0-100.5% (by anhydrous basis), crystals USP, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT2504-5
D-(-)-Mannitol 97.0-102.0% (dry basis), powder USP, Multi-compendial GMP Manufactured Product, J.T. Baker®	Poly bottle w/ tamper-evident cap	500 g	JT2553-1
D-(-)-Mannitol 97.0-102.0% (dry basis), powder USP, Multi-compendial GMP Manufactured Product, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT2553-5
Methanol ≥99.8%, HiPerSolv CHROMANORM®, gradient grade for HPLC, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH20864.400
Methanol ≥99.8%, ULTRA RESI-ANALYZED™ for gas chromatography, for organic residue analysis	Narrow mouth amber glass bottle	4 L	JT9263-3
Methanol, anhydrous ≥99.8%, BAKER ANALYZED® ACS for Karl Fischer titration, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9049-3
Methanol ≥99.8% ACS, VWR Chemicals BDH®	Glass bottle	4 L	BDH1135-4LG
Methanol ≥99.8% ACS, VWR Chemicals BDH®	Poly bottle	4 L	BDH1135-4LP
Methanol ≥99.8% ACS for production, VWR Chemicals BDH®	Poly bottle	1 gal.	BDH2018-1GLP
Methanol ≥99.8%, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9093-3
Methanol ≥99.8%, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9093-33
Methanol ≥99.9%, BAKER ANALYZED® LC-MS Reagent for LC-MS, for HPLC	Narrow mouth amber glass bottle	4 L	JT9830-3
Methyl ethyl ketone ≥99.5%, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9214-3
N-Methyl-2-pyrrolidone (NMP) ACS, VWR Chemicals BDH®	Poly bottle	4 L	BDH1141-4LP
N-Methyl-2-pyrrolidone (NMP) ≥99.5%, J.T. Baker®	Poly bottle, pressure bottom	4 L	JT6397-5
N-Methyl-2-pyrrolidone (NMP) ≥99.5%, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9261-13

N

Chemical Description	Packaging	Size	Cat. No.
Nitric acid 67 - 70%, BDH ARISTAR® ULTRA, ultrapure for trace metal analysis	FEP bottle	500 ml	87003-226
Nitric acid 67 - 70%, BDH ARISTAR® ULTRA, ultrapure for trace metal analysis	FEP bottle	1 L	87003-228
Nitric acid 67 - 70%, BDH ARISTAR® ULTRA, ultrapure for trace metal analysis	FEP bottle	2 L	87003-658
Nitric acid 67 - 70%, BDH ARISTAR® PLUS for trace metal analysis	HDPE bottle	2.5 L	87003-261
Nitric acid 68 - 70%, ARISTAR® ACS	Clear glass bottle, poly coated	500 ml	BDH3044500MLPC
Nitric acid 68 - 70%, ARISTAR® ACS	Clear glass bottle, poly coated	2.5 L	BDH3046-2.5L
Nitric acid 68 - 70%, ARISTAR® ACS	PPQ bottle	2.5 L	BDH3130-2.5LP
Nitric acid 69.0 - 70.0%, BAKER INSTRA-ANALYZED® ACS, J.T. Baker®	Clear glass bottle, poly coated	2.5 L	JT9598-34
Nitric acid 69.0 - 70.0%, BAKER INSTRA-ANALYZED® ACS, J.T. Baker®	Clear glass bottle in single shipper	2.5 L	JT9598-5
Nitric acid 69.0 - 70.0%, J.T. Baker®	Clear glass bottle, poly coated	2.5 L	JT9607-33



Chemical Description	Packaging	Size	Cat. No.
Octyl phenol ethoxylate ≥90.0%, Technical Grade, J.T. Baker®	Narrow Mouth Amber Glass Bottle	100 ml	JTX199-01
Orthoboric acid ≥99.5% (by acidimetry), granular, BAKER ANALYZED® ACS, J.T. Baker®	Poly bottle	2.5 kg	JT0084-5
Orthophosphoric acid ≥85.0-88.0% NF, Multi-compendial, J.T. Baker®	Poly bottle	4 L	JT0268-6
Orthophosphoric acid ≥85.0-87.0%, BAKER ANALYZED® ACS, J.T. Baker®	Clear glass bottle, poly coated	2.5 L	JT0260-33
Orthophosphoric acid ≥85.0% ACS, VWR Chemicals BDH®	Clear glass bottle, poly coated	2.5 L	BDH3104-2.5LPC



Chemical Description	Packaging	Size	Cat. No.
Paraffin Oil, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JTS894-0
n-Pentane ≥99%, HiPerSolv CHROMANORM® for HPLC, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH83632.400
n-Pentane ≥99%, Laboratory Reagent, VWR Chemicals BDH®	Glass bottle	4 L	BDH1143-4LG
Petroleum spirit, 35 - 60 °C ≥99.0% ACS, VWR Chemicals BDH®	Glass bottle	4 L	BDH1145-4LG
pH Reference Standard Buffers, Blue, VWR Chemicals BDH®	Poly bottle	4 L	BDH5074-4L
pH Reference Standard Buffers, Blue, VWR Chemicals BDH®	Cubetainer®	4 L	BDH5076-4L
pH Reference Standard Buffers, Blue, VWR Chemicals BDH®	Cubetainer®	20 L	BDH0190-20L
pH Reference Standard Buffers, Red, VWR Chemicals BDH®	Poly bottle	4 L	BDH5020-4L
pH Reference Standard Buffers, Red, VWR Chemicals BDH®	Cubetainer®	4 L	BDH5022-4L
pH Reference Standard Buffers, Red, VWR Chemicals BDH®	Cubetainer®	20 L	BDH0198-20L
pH Reference Standard Buffers, Yellow, VWR Chemicals BDH®	Poly bottle	4 L	BDH5048-4L
pH Reference Standard Buffers, Yellow, VWR Chemicals BDH®	Cubetainer®	4 L	BDH5050-4L
pH Reference Standard Buffers, Yellow, VWR Chemicals BDH®	Cubetainer®	20 L	BDH0194-20L
pH Test Strips, pH graduation: 0.3/0.5, range: 6.0-10.0, VWR Chemicals BDH®	Box of 100/Pack of 5 boxes/Case of 540 boxes	-	BDH83931.601
pH Test Strips, pH graduation: 0.5, range: 0-6.0, VWR Chemicals BDH®	Box of 100/Pack of 5 boxes/Case of 540 boxes	-	BDH35310.601
pH Test Strips, pH graduation: 0.5, range: 2.0-9.0, VWR Chemicals BDH®	Box of 100/Pack of 5 boxes/Case of 540 boxes	-	BDH83930.601
pH Test Strips, pH graduation: 0.5, range: 4.5-10.0, VWR Chemicals BDH®	Box of 100/Pack of 5 boxes/Case of 540 boxes	-	BDH35311.604
pH Test Strips, pH graduation: 0.5, range: 7.0-14.0, VWR Chemicals BDH®	Box of 100/Pack of 5 boxes/Case of 540 boxes	-	BDH35312.607
pH Test Strips, pH graduation: 1.0, range: 0-14.0, VWR Chemicals BDH®	Box of 100/Pack of 5 boxes/Case of 540 boxes	-	BDH35309.606
Phenol liquified ≥89.0% stabilised USP, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT2864-33
L-α-Phenylalanine 98.5-101.5% (dried basis) USP, Multi-compendial, J.T. Baker®	Poly bottle w/ tamper-evident cap	1 kg	JT2086-6
Polysorbate, (Tween®20) NF, Multi-compendial, J.T. Baker®	Narrow mouth amber glass bottle	20 ml	JT4116-02
Polysorbate, (Tween®20) NF, Multi-compendial, J.T. Baker®	Narrow mouth amber glass bottle	200 ml	JT4116-4
Polysorbate 80 NF, Multi-compendial, J.T. Baker®	Narrow mouth amber glass bottle	20 ml	JT4117-2
Polysorbate 80 NF, Multi-compendial, J.T. Baker®	Narrow mouth amber glass bottle	200 ml	JT4117-4
Polysorbate 80 (vegetable based) NF, Multi-compendial, refined, J.T. Baker®	Narrow mouth amber glass bottle	200 ml	JT4500-04
Potassium acetate 99.0-100.5% (dried basis), granular USP, Multi-compendial Endotoxin Tested, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT2917-5
Potassium chloride 99.0-105.0%, crystals USP, Multi-compendial, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT3045-5
Potassium chloride ≥99%, crystals FCC/USP, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT3046-5
Potassium chloride ACS, VWR Chemicals BDH®	Poly bottle	2.5 kg	BDH9258-2.5KG
Potassium dihydrogen phosphate 98.0-100.5% (dried basis), crystals NF, Multi-compendial, J.T. Baker®	Wide mouth amber glass bottle w/ tamper-evident cap	500 g	JT3248-1
Potassium dihydrogen phosphate 98.0-100.5% (dried basis) NF, FCC, J.T. Baker®	Wide mouth amber glass bottle	2.5 kg	JT3247-5
Potassium dihydrogen phosphate 98.0-100.5% (dried basis, RT), crystals, GenAR® NF, Macron Fine Chemicals™	Polystormor poly/plastic bottle	500 g	MK774604
Potassium dihydrogen phosphate ≥98%, crystals, Macron Fine Chemicals™	Poly pail w/ screw top	12 kg	MK774688
Potassium dihydrogen phosphate ACS, VWR Chemicals BDH®	Poly bottle	2.5 kg	BDH9268-2.5KG
Potassium hexacyanoferrate(III) ≥99.0% (by iodometry), crystals, BAKER ANALYZED® ACS, J.T. Baker®	Wide mouth amber glass bottle	2.5 kg	JT3104-5
Potassium hydroxide ACS, VWR Chemicals BDH®	Poly bottle	2.5 kg	BDH9262-2.5KG
Potassium hydroxide 45% (w/w) 11.7 N, BAKER ANALYZED®, J.T. Baker®	Poly bottle	4 L	JT3143-3
Potassium iodide ≥99%, powder, GenAR® BP/Ph. Eur./FCC/USP, Macron Fine Chemicals™	Polystormor® poly bottle	500 g	MK111504
Potassium iodide ACS, VWR Chemicals BDH®	Poly bottle	2.5 kg	BDH9264-2.5KG
(±)-1,2-Propanediol ≥99.5% FCC/USP, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9402-3

P

Chemical Description	Packaging	Size	Cat. No.
1-Propanol ≥99.5%, BDH HiPerSolv CHROMANORM for HPLC, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH83635.400
2-Propanol ≥70%, VWR Chemicals BDH®	Poly bottle	4 L	BDH1131-4LP
2-Propanol ≥70%, VWR Chemicals BDH®	Cubetainer®	5 gal.	BDH1131-5GL
2-Propanol ≥99% BP/Ph. Eur./JP/USP, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9037-3
2-Propanol ≥99% USP, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9080-3
2-Propanol ≥99.5%, PHOTREX® for spectrophotometry, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9083-3
2-Propanol ≥99.5%, BAKER ANALYZED® ACS, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9084-33
2-Propanol ≥99.5%, BAKER ANALYZED® ACS, J.T. Baker®	Aluminum bottle	4 L	JT9084-5
2-Propanol ≥99.5% ACS, VWR Chemicals BDH®	Glass bottle	4 L	BDH1133-4LG
2-Propanol ≥99.5% ACS, VWR Chemicals BDH®	Poly bottle	4 L	BDH1133-4LP
2-Propanol ≥99.5% ACS, VWR Chemicals BDH®	Cubetainer®	5 gal.	BDH1133-5GL
2-Propanol ≥99.5% ACS, Production Grade, VWR Chemicals BDH®	Poly bottle	1 gal.	BDH2016-1GLP
2-Propanol ≥99.7% for HPLC, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9095-3
2-Propanol ≥99.7% for HPLC, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9095-33
2-Propanol ≥99.8%, HiPerSolv CHROMANORM® for HPLC, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH20880.400
2-Propanol ≥99.8%, BAKER ANALYZED®, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9827-3
2-Propanol ≥99.8% (by GC), VWR Chemicals BDH®	Poly bottle	4 L	BDH11744LP

R

Chemical Description	Packaging	Size	Cat. No.
Reagent Alcohol ACS (denatured with methanol and isopropanol), VWR Chemicals BDH®	Poly bottle	4 L	BDH1156-4LP

S

Chemical Description	Packaging	Size	Cat. No.
Silver nitrate 0.1 N in aqueous solution, BAKER ANALYZED® volumetric solution, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT5630-3
Silver nitrate 0.1 N in aqueous solution, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH7214-4
Silver nitrate 0.1 N in aqueous solution, VWR Chemicals BDH®	Cubetainer®	4 L	BDH7214-5
Sodium acetate, anhydrous ≥99% FCC/USP, J.T. Baker®	Poly pail w/ screw top	2.5 kg	JT3473-5
Sodium acetate trihydrate 99.0-101.0% (dried basis), crystals USP, Multi-compendial, J.T. Baker®	Poly bottle w/ tamper-evident cap	500 g	JT3461-1
Sodium carbonate, anhydrous ACS, VWR Chemicals BDH®	Poly bottle	2.5 kg	BDH9284-2.5KG
Sodium chloride 99.0-100.5% (dried basis), granular USP, Multi-compendial, J.T. Baker®	WMA glass bottle w/ tamper-evident cap	500 g	JT3627-1
Sodium chloride 99.0-100.5% (dry basis), granular FCC/USP, J.T. Baker®	WMA glass bottle w/ tamper-evident cap	500 g	JT3628-1
Sodium chloride ≥99%, granular USP/FCC, Macron Fine Chemicals™	Polystormor® poly bottle	500 g	MK753204
Sodium chloride ACS, VWR Chemicals BDH®	Poly bottle	2.5 kg	BDH9286-2.5KG
Sodium dihydrogen phosphate monohydrate ≥98% USP, Multi-compendial, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT3802-5
Sodium dihydrogen phosphate monohydrate 98.0-103.0% (by anhydrous basis), crystals USP/FCC, J.T. Baker®	Wide mouth amber glass bottle w/ tamper-evident cap	500 g	JT3820-1
Sodium dihydrogen phosphate monohydrate 98.0-102.0%, crystals, BAKER ANALYZED® ACS, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT3818-5
Sodium dihydrogen phosphate monohydrate ACS, VWR Chemicals BDH®	Poly bottle	2.5 kg	BDH9298-2.5KG
Sodium hydrogen carbonate 99.0-100.5% (dried basis), powder USP/FCC, J.T. Baker®	Wide mouth amber glass bottle	2.5 kg	JT3509-5
Sodium hydrogen carbonate ≥99%, powder BP/Ph. Eur./JP/USP, J.T. Baker®	Wide mouth amber glass bottle	2.5 kg	JT3510-5
Sodium hydroxide ACS, VWR Chemicals BDH®	Poly bottle	2.5 kg	BDH9292-2.5KG

Continued on page 39

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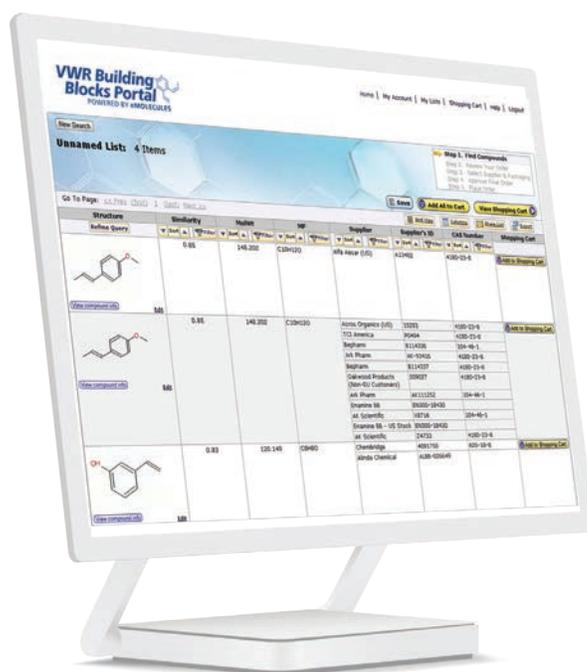
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S

Chemical Description	Packaging	Size	Cat. No.
Sodium hydroxide 10 N in aqueous solution for biotechnology, J.T. Baker®	Poly bottle, pressure bottom	4 L	JT5000-3
Sodium hydroxide 5 N in aqueous solution, BAKER ANALYZED®, J.T. Baker®	Poly bottle, pressure bottom	4 L	JT5668-3
Sodium hydroxide 10 N, BAKER ANALYZED® volumetric solution, J.T. Baker®	Poly bottle	4 L	JT5674-6
Sodium hydroxide 0.1 N in aqueous solution, VWR Chemicals BDH®	Poly bottle	4 L	BDH7219-4
Sodium hydroxide 0.5 N in aqueous solution, VWR Chemicals BDH®	Poly bottle	4 L	BDH7221-4
Sodium hydroxide 1.0 N in aqueous solution, VWR Chemicals BDH®	Poly bottle	4 L	BDH7222-4
Sodium hydroxide 2.0 N in aqueous solution, VWR Chemicals BDH®	Poly bottle	4 L	BDH7223-4
Sodium hydroxide 5.0 N in aqueous solution, VWR Chemicals BDH®	Poly bottle	4 L	BDH7225-4
Sodium hydroxide 10.0 N in aqueous solution, VWR Chemicals BDH®	Poly bottle	4 L	BDH7247-4
Sodium hydroxide solution 10 N, Biotech Reagent, J.T. Baker®	Polyethylene Pail, Screw Top	1 L	JT0312-02
Sodium hydroxide 50% in aqueous solution, Biotech Reagent, J.T. Baker®	Poly bottle, pressure bottom	4 L	JT0339-3
Sodium hydroxide solution 50% (w/w), BAKER ANALYZED®, J.T. Baker®	Poly bottle	4 L	JT3727-3
Sodium hydroxide 50% (w/w) in aqueous solution, Reagent Grade, VWR Chemicals BDH®	Poly bottle	4 L	BDH7246-4
Sodium hydroxide 30% (w/v) in aqueous solution, VWR Chemicals BDH®	Poly bottle	4 L	BDH7364-4
Sodium hypochlorite 5% available chlorine in aqueous solution, BAKER ANALYZED®, J.T. Baker®	Poly bottle, pressure bottom	4 L	JT9416-3
Sodium nitrate ≥99.0%, crystals, BAKER ANALYZED® ACS, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT3770-5
Sodium sulphate, anhydrous ≥99.0%, granular, ULTRA RESI-ANALYZED™ ACS 12-60 Mesh for pesticide residue analysis, J.T. Baker®	Wide mouth amber glass bottle	2.5 kg	JT3375-5
Sodium sulphate, anhydrous ACS, VWR Chemicals BDH®	Poly bottle	2.5 kg	BDH9302-2.5KG
Sodium thiosulphate 0.10 N in aqueous solution, VWR Chemicals BDH®	Poly bottle	4 L	BDH7228-4
Succinic acid ≥99.0%, powder, BAKER ANALYZED® ACS, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT0346-5
D-(+)-Sucrose, crystals NF, Multi-compendial, J.T. Baker®	Poly bottle w/ tamper-evident cap	500 g	JT4074-1
D-(+)-Sucrose EP/JP/BP/NF, Multi-compendial Parenteral Grade, J.T. Baker®	Poly pail w/ screw top	1 kg	JT6321-5
D-(+)-Sucrose, GenAR® NF for biotechnology, Macron Fine Chemicals™	Polystyromor poly/plastic bottle	1 kg	MK772304
D-(+)-Sucrose (from sugar cane) ≥99% (by HPLC) NF, Multi-compendial low in endotoxins, J.T. Baker®	Polyethylene pail, screw top	1 kg	JT6320-05
Sulphuric acid 93-98%, BDH ARISTAR® PLUS for trace metal analysis	HDPE bottle	2.5 L	87003-273
Sulphuric acid ≥95%, BAKER INSTRA-ANALYZED® for trace metal analysis low Selenium, J.T. Baker®	Clear glass bottle, poly coated	2.5 L	JT9673-33
Sulphuric acid ≥95-98% ACS/FCC	Clear glass bottle, poly coated	2.5 L	BDH3070-2.5LPC
Sulphuric acid ≥95%, BAKER ANALYZED® ACS, J.T. Baker®	Clear glass bottle, poly coated	2.5 L	JT9681-33
Sulphuric acid 0.02 N in aqueous solution, VWR Chemicals BDH®	Poly bottle	4 L	BDH7229-4
Sulphuric acid 0.1 N in aqueous solution, VWR Chemicals BDH®	Poly bottle	4 L	BDH7230-4



The Avantor® portfolio of chemicals: delivering results from beaker to bulk

Application	J.T.Baker®	Macron Fine Chemicals™	VWR Chemicals BDH®	VWR Bioprocess Chemicals	VWR Collection Chemicals
Analytical - Chromatography	X	X	X		X
Analytical - Spectroscopy	X	X	X		
Analytical - Electrochemistry	X	X	X		X
Clinical - Histology/Hematology	X	X	X		X
Biopharma - Small Molecule R&D	X	X	X	X	
Biopharma - Large Molecule R&D	X	X	X	X	
Biopharma - Upstream Manufacturing	X	X		X	X
Biopharma - Downstream/Fill & Finish	X	X		X	X
Biopharma - Quality Control	X		X		
Environmental - Field Testing	X		X		
Environmental - Lab Testing	X	X	X		X
Microelectronics	X				

T

Chemical Description	Packaging	Size	Cat. No.
Tetrahydrofuran ≥99% stabilised ACS, VWR Chemicals BDH®	Glass bottle	4 L	BDH1149-4LG
Tetrahydrofuran ≥99.5% stabilised, BAKER ANALYZED® ACS, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9450-3
Tetrahydrofuran ≥99.5% stabilised, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9440-3
Tetrahydrofuran ≥99.8% contains no preservatives for HPLC/UHPLC, for spectrophotometry, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9441-3
Tetrahydrofuran ≥99.8% contains no preservatives for HPLC/UHPLC, for spectrophotometry, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9441-33
Tetrahydrofuran, HiPerSolv CHROMANORM® for HPLC, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH28559.400
Tetrahydrofuran stabilised, HiPerSolv CHROMANORM® for HPLC, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH67008.400
Toluene ≥99.5% ACS, VWR Chemicals BDH®	Glass bottle	4 L	BDH1151-4LG
Toluene ≥99.8%, HiPerSolv CHROMANORM® for HPLC, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH83625.400
D-(+)-Trehalose dihydrate NF/BP/Ph. Eur./JP, Multi-compendial Parenteral Grade, J.T. Baker®	Poly pail w/ screw top	1 Kg	JT6324-5
Trifluoroacetic acid ≥99.5% for HPLC, J.T. Baker®	Glass ampule	1 ml	JT9470-00
Trifluoroacetic acid 0,1% (v/v) in acetonitrile, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9835-3
2,2,4-Trimethylpentane ≥99.5%, HiPerSolv CHROMANORM® for HPLC, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH83630.400
2,2,4-Trimethylpentane ≥99.8%, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9480-3
Tris(hydroxymethyl)aminomethane (TRIS, Trometamol) 99.0-101.0% USP, Multi-compendial, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT4102-5
tri-Sodium citrate dihydrate 99.0-105.0% (by anhydrous basis), granular USP, Multi-compendial, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT3647-5
tri-Sodium citrate dihydrate 99-100.5% (by anhydrous basis), granular USP/FCC, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT3649-5
tri-Sodium citrate dihydrate 99.0-101.0% (by non aqueous titration), granular, BAKER ANALYZED® ACS, J.T. Baker®	Poly bottle w/ tamper-evident cap	2.5 kg	JT3646-5
L-Tyrosine disodium salt dihydrate ≥98%, BAKER ANALYZED®, Biochemical Reagent, J.T. Baker®	White Poly Bottle	100 g	JT2094-5

U

Chemical Description	Packaging	Size	Cat. No.
Urea 98.0-102.0% USP, J.T. Baker®	Poly bottle w/ tamper-evident cap	500 g	JT4206-1

V

Chemical Description	Packaging	Size	Cat. No.
L(+)-Valine 98.5-101.5% (dried basis) USP, FCC, Multi-compendial, Macron Fine Chemicals™	White poly bottle, blue tamper evident cap	1 kg	MK4936-06

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W

Chemical Description	Packaging	Size	Cat. No.
Water ASTM Type II, VWR Chemicals BDH®	Poly bottle	4 L	BDH1168-4LP
Water for HPLC/UHPLC, for spectrophotometry, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT4218-3
Water, for trace metal analysis, for HPLC low TOC, VWR Chemicals BDH® ARISTAR® PLUS	Amber glass bottle	4 L	87003-652
Water, HiPerSolv CHROMANORM® for HPLC, VWR Chemicals BDH®	Amber glass bottle	4 L	BDH23595.400
Water with 0,1% (v/v) trifluoroacetic acid, BAKER ANALYZED®, Pre-blended for LC-MS, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9836-3
Water, HiPerSolv CHROMANORM® for LC-MS, VWR Chemicals BDH®	Treated glass bottle	4 L	BDH83645.400
Water, BAKER ANALYZED®, J.T. Baker®	Narrow mouth amber glass bottle	4 L	JT9831-3
Water, VWR Chemicals BDH® ARISTAR® ULTRA, ultrapure for trace metal analysis	Poly bottle	1 L	87003-236

X

Chemical Description	Packaging	Size	Cat. No.
Xylene (mixture of isomers) ≥98.5% contains ethylbenzene, BAKER ANALYZED® ACS, J.T. Baker®	Narrow mouth amber glass bottle, poly coated	4 L	JT9490-33

VWR® Labmax™ Bottle-Top Dispensers

- Unique closed-circuit air purging system
- Reagent guard valve prevents leakage
- Exclusive 360° swivel turn
- Quick, accurate volume adjustment
- Unique piston design



For more
options, visit
vwr.com



Inventory Management Solutions

One of the cornerstones to the goals of Avantor Services is to simplify stockroom and point-of-use inventory management for lab and procurement managers. Our onsite services and technology help you streamline procurement, optimize inventory levels and spend less overall time managing your lab supplies, allowing you to reduce costs and focus on science.

Explore all the ways we have helped inventory and stockrooms operate at their potential – and how we can do the same for you – by visiting our Inventory Management Solutions page on vwr.com/inventory_manager.



Furniture

FILTRATION SYSTEM

WORKBENCHES/TABLES

CARTS

CABINETS/SAFETY CABINETS

STORAGE/COLD STORAGE

SEATING





VWR® CHEMICAL CAPTURE FILTRATION SYSTEM

STAND-ALONE FILTRATION SYSTEM WITH ONE FAN WHICH CAN BE INTEGRATED WITH A FLEXIBLE DUCT CONNECTED TO THE BUNG PORT OF ANY FLAMMABLE OR ACID CABINET

- Continuously recirculates
- Captures any potential emissions
- Eliminates hazardous vapors

Description	Cat. No.
VWR® Chemical Capture Filtration System, 65 W	52428-821



VWR® WORKSTATION BENCHES

LABORATORY GRADE FOUR LEGGED TABLES

- 1000 lbs. capacity
- Light neutral color
- SEFA chemical resistant finish
- 24 to 36" adjustable height
- Single tool installation (included)
- Metal construction

Height	Length	Width	Top material	Cat. No.	Unit
27 - 36"	36"	24"	Epoxy resin	CLT10R2436	Each
27 - 36"	48"	24"	Epoxy resin	CLT10R2448	Each
27 - 36"	60"	24"	Epoxy resin	CLT10R2460	Each

Bench selector guide

Design a lab workstation complete with accessories in four easy steps. The configurator walks you through the simple process of selecting a VWR® bench and adding accessories to build a lab workstation that best meets your needs, whether it be stationary or mobile functionality. It has never been easier to design an quote a lab workstation!

Visit
[vwr.com/
 benchselector](http://vwr.com/benchselector)
 to discover this
 tool.



VWR® STAINLESS STEEL UTILITY CARTS

THESE DURABLE UTILITY CARTS FEATURE A UNITIZED, ELECTRONICALLY WELDED STAINLESS STEEL ANGLED LEG DESIGN

- Unitized, electronically welded stainless steel angled leg design
- Cleans and sanitizes easily
- Three shelves

Capacity	Height	Length	Width	Caster size	Shelf clearance	Shipping weight	Cat. No.
300 lbs.	32 1/8"	24"	15 1/2"	3 1/2"	11 1/4"	29 lbs.	97005-266
300 lbs.	33"	27"	18"	3 1/2"	12 1/4"	32 lbs.	97005-268



VWR® MOBILE DEMO CART

DESIGNED FOR THE TRANSPORTATION OF EQUIPMENT AND SUPPLIES

- Solid oak construction
- Very smooth, easy rolling
- Chemical-resistant, earth-friendly UV finish

Material	Depth	Length	Width	Cat. No.
ChemGuard Top	24"	30"	36"	89375-420
Plastic Laminate Top	24"	30"	36"	89375-418



VWR® ATLAS MOBILE CARTS WITH STANDARD CASTERS

INCLUDE TWO COLUMNS WITH BASES, MODESTY PANEL AND FRONT APRON RAIL, WITH OR WITHOUT FRONT SUPPORT

- Carts are available in various size and dimensions
- Equipped with a center leg for added support

Description	Depth	Height	Width	Cat. No.
With Front Support				
Atlas Mobile Carts, Sitting Height With Standard Casters	31"	30"	30"	AMC313030C

Avantor REDISHIP

If you need essential lab furniture at a moment's notice, Avantor REDISHIP is ready when you are

Our fast-track inventory program ensures delivery of top-quality furniture items in a matter of days*, helping you operate without interruption.

Avantor REDISHIP includes carts, tables, shelving, task lighting and much more.

For more information about REDISHIP products, or to learn more about our Furniture services, contact your Furniture Specialist at **800 932 5000** or visit **[vwr.com/rediship](https://www.vwr.com/rediship)**.

Items available for REDISHIP include:

- Casework
- Chairs & stools
- Countertops
- Eyewash stations & safety showers
- Hoods & biological safety cabinets
- Shelving
- Sinks & pegboards
- Tables & workstations
- Undercounter cold storage
- Task lighting

*Most REDISHIP items ship within 3-5 business days of order. All items are subject to availability at time of order. Large quantity orders may require longer lead times. 3-5 business days shipping time is based on immediate credit approval and approved drawings.



At Avantor we support you throughout every phase of furnishing your lab

Our furniture associates are organized into highly focused, collaborative teams that offer:

- Comprehensive planning for every kind of lab
- A closely monitored inventory of top-quality furniture and components
- Complete project supervision from proposal through final installation

Factory-trained furniture specialists work in coordination with sales representatives to help you select the most functional and cost-effective solutions for your lab. Specialists also oversee the design-to-install process.

Furniture Project Estimators help you identify all laboratory furniture requirements and then value-engineer your project to meet budgetary needs.

Furniture Project Coordinators oversee every detail of the job from start to finish, managing ordering, shipping, and final installation, as well as handling all project details to your complete satisfaction.

Factory-trained Furniture Installers deliver quality installations on time. Their extensive experience and thorough knowledge of furniture components assure a fast, trouble-free finish to your project.

Once the project is complete, we make sure your new lab is set-up, stocked and optimized for productivity.

Visit us at vwr.com/furniture



- Biosafety cabinets
- Carts
- Casework: metal, wood, plastic & stainless steel
- Chairs & stools
- Countertops
- Emergency eyewash stations
- Environmental rooms
- Fume hoods
- Glassware washers
- Office furniture
- Prefabricated cleanrooms
- Shelving
- Safety cabinets
- Sinks & fixtures
- Tables/workstations
- Task lighting
- Undercounter refrigerators/freezers
- Walk-in cold rooms
- Water systems

FURNITURE

Carts, Seating, Stools, Cabinets/Safety Cabinets



VWR® GUARD RAIL CARTS, STAINLESS STEEL

HELP PREVENT ITEMS FROM SLIPPING OFF SHELVES, ELIMINATING SPILLS AND BREAKAGE

- Stainless steel fabrication
- Durable
- Easy to sanitize

Capacity	Height	Length	Shelf dimensions	Width	Caster size	No. of shelves	Shipping weight	Cat. No.
700 lbs.	34½"	32½"	18 x 27"	19½"	5"	Three	66 lbs.	97017-716



VWR® URETHANE LAB CHAIRS

EASY-TO-CLEAN SEATS AND BACKRESTS RESIST MANY CHEMICALS, WATER, PAINT AND MORE, COMBINED WITH ERGONOMIC FUNCTIONALITY

- Other components include an easy-to-use ergonomic task control with seat height and back tilt adjustments and 26" diameter black composite base
- Designed for laboratory applications, including those in healthcare, education and industrial settings
- Backed by a ten-year warranty

Seat height	Chair style	Footring	Cat. No.
20¾" - 30"	Bench Height	Height-Adjustable 20"Ø chrome footring with Black Spoke	76308-796
20¾" - 30"	Bench Height	Height-Adjustable 20"Ø chrome footring with Black Spoke	76308-798
15 - 20"	Desk Height	—	76308-800
15 - 20"	Desk Height	—	76308-802



VWR® UPHOLSTERED LAB STOOLS

ROOMY AND COMFORTABLE 16" DIAMETER SEAT WITH 3,5" OF RESILIENT FOAM CUSHIONING AND ADJUSTABILITY PROVEN TO PROVIDE RELIABLE ERGONOMIC PERFORMANCE

- Exclusive black microdot-textured vinyl upholstery combines practical performance with a sophisticated look
- Other components include an easy-to-use ergonomic task control with seat height and back tilt adjustments and 26" diameter black composite base
- Designed for laboratory applications, including those in healthcare, education and industrial settings
- Backed by a ten-year warranty

Seat height	Chair style	Footring	Cat. No.
22¾" - 32"	Bench Height	Height-Adjustable 20" Ø Chrome Footring with Black Spoke	76308-780
17 - 22"	Desk Height	—	76308-788



VWR® ATLAS PASS-THROUGH OVERHEAD STORAGE CABINETS WITH HINGED DOORS

STEEL CABINETS ARE USED IN PLACE OF OPEN SHELVING WHEN ENCLOSED STORAGE AND/OR RESISTANCE TO DUST IS REQUIRED

- Steel fabrication
- Hinged doors
- Color: Light neutral

Description	Depth	Height	Width	Cat. No.
Overhead Storage Cabinet with Hinged Metal Doors	22½"	30"	40½"	VWR407534HM



VWR® SAFETY CABINETS FOR FLAMMABLES AND CORROSIVES

DESIGNED TO PROTECT BOTH LABORATORY PERSONNEL AND THE CABINET CONTENTS

- Fully welded, 18-gauge double-wall construction for fire protection
- Upper and lower diametrically opposed side vents
- All models fire tested and approved by FM Global

Depth	Height	Width	Color	Door type	No. of shelves	Cat. No.
30 Gallon Flammable Storage						
18"	44"	43"	Yellow	Bi-Fold	1	89522-618
45 Gallon Flammable Storage						
18"	65"	43"	Yellow	Bi-Fold	2	89522-624
60 Gallon Flammable Storage						
34"	65"	34"	Yellow	Manual	2	89522-632



VWR® CRITICAL STORAGE UNDERCOUNTER LABORATORY REFRIGERATOR AND FREEZER, MANUAL DEFROST

DESIGNED TO MEET THE DEMANDING STANDARDS OF CLINICAL, LIFE SCIENCE, PHARMACEUTICAL, BIOTECHNOLOGY, AND INDUSTRIAL APPLICATIONS

- Optimal performance in clinical, life science, pharma, biotechnology, and industrial applications
- Undercounter, freestanding, or stacking options
- Exceptional temperature control and uniformity
- Microprocessor control with user-programmable functions and features
- Built-in front-breather condenser

Description	Capacity	Temperature range	Cat. No.
Units			
Refrigerator	173 L (6 cu. ft.)	2...8 °C	89031-974
Manual defrost freezer	153 L (5.4 cu. ft.)	-25...-15 °C (-13...5 °F)	89031-976



VWR® HIGH PERFORMANCE UNDERCOUNTER REFRIGERATOR

MEETS CURRENT AND EVOLVING CDC, NSF, AND ANSI GUIDELINES FOR VACCINE STORAGE

- ENERGY STAR® Certified and capable of maintaining the 5°C setpoint standard for storing vaccines with a +/- uniformity of 3°C
- Designed to be incorporated in ADA compliant workspaces and lab benches
- Self-closing glass door provides visibility into the interior of the unit to avoid unnecessary door openings
- Unit is designed to prevent interior temperature from dropping below 22°C at any location within the cabinet, even if the unit is empty
- Unweighted temperature probe and temperature display in 0.1C increments give users the most accurate temperature readings
- High and low temperature alarms notify users when temperature excursion events are occurring

Volume	Exterior Dimensions, mm (in.)	Cat. No.
75 L (2.7 cu. ft.)	572 x 562 x 751 (22.5 x 22.1 x 29.6)	764230-860

Equipment

REFRIGERATORS & FREEZERS

OVENS & INCUBATORS

CENTRIFUGES

SHAKERS, STIRRERS, & VORTEXERS

WATER BATHS

MISCELLANEOUS LAB EQUIPMENT





VWR® REFRIGERATORS WITH GLASS DOORS AND NATURAL REFRIGERANT, BASIC UPRIGHT LABORATORY REFRIGERATOR MAINTAINS AN AVERAGE TEMPERATURE OF 3–5°C (37–41°F)

- All units feature a natural refrigerant that is environmentally friendly
- R290 hydrocarbon refrigerant emits zero ozone depletion potential
- Units are supplied standard with the LAE temperature control
- Exterior digital display and alarm function

Description	Capacity	Temperature range	Cat. No.
White Interior			
VWR® chromatography refrigerator, Basic, white	1388 L (49 cu. ft.)	3...5 °C (37...41 °F)	10791-624



VWR® REACH-IN REFRIGERATORS WITH GLASS DOORS, BASIC TRADITIONAL REACH-IN GLASS DOOR REFRIGERATORS ARE AVAILABLE IN SINGLE, DOUBLE, OR TRIPLE DOOR FORMATS

- Stainless steel siding
- Heavy-duty shelving
- Available in a variety of door formats

Description	Capacity	Temperature range	Cat. No.
Reach - in refrigerator with glass door	1388 L (49 cu. ft.)	3...5 °C	89239-072



VWR® STANDARD SERIES FREEZER AN ECONOMICAL SOLUTION FOR SAFE, SAMPLE STORAGE

- Factory tested prior to shipment
- NRTL listed
- Environmentally-friendly, non-CFC refrigerants
- Adjustable temperature control
- Easy-to-clean, durable finish
- Manual defrost

Description	Capacity	Cat. No.
Freezer, 20LFEEVWA	591.82 L (20.9 cu. ft.)	76314-276



VWR® STANDARD SERIES REFRIGERATORS AND FREEZERS

COMBINATION UNITS ARE PARTICULARLY SUITED FOR ROUTINE LABORATORY APPLICATIONS

- Factory tested prior to shipment
- NRTL listed
- Environmentally-friendly, non-CFC refrigerants
- Adjustable temperature control
- Easy-to-clean, durable finish
- Manual and auto defrost combination units
- Manual defrost refrigerators and freezers

Description	Capacity	Cat. No.
VWR® Standard Series Refrigerator		
Refrigerator, 20LREEVWA	574.8 L (20.3 cu. ft.)	76314-274



VWR® CHROMATOGRAPHY REFRIGERATORS, EPA ENERGY STAR CERTIFIED

DESIGNED WITH YOUR CHROMATOGRAPHY APPLICATIONS IN MIND

- Hydrocarbon safety sensor protected interior duplex outlet
- Whisper-quiet operation at 51 dBA
- Choice of white painted interior and exterior or stainless steel interior and gray exterior
- Digital controller with temperature, door ajar and power failure (with battery back-up) alarms
- With rear access port, plus two inch side access ports, keyed door lock(s), remote alarm contacts, LED interior lighting and double pane glass doors
- With adaptive defrost
- Temperature set point is 5 °C

Description	Capacity	Temperature range	Cat. No.
VWR® chromatography refrigerator, 49 PNT glass, white, VWG49CPGA	1387 L (49 cu. ft.)	2...10 °C (5 °C)	76300-164



VWR® HAZARDOUS SERIES REFRIGERATOR

DESIGNED TO BE USED FOR THE STORAGE OF VOLATILES, COMPOUNDS AND SOLVENTS

- Designed for use in areas where ignitable materials are normally present
- Spark-free interiors and exteriors reduce the risk of explosion
- Designed for use in class I, groups C & D & class I, zone 1, group IIB
- Plug-free cords (units must be hardwired to wall)

Description	Capacity	Ext. WxDxH	Cat. No.
Explosion-proof refrigerator, 20EREEVWA	598 L (20.9 cu. ft.)	863x888x1969 mm	76314-292



VWR® -86 °C ULTRA-LOW TEMPERATURE FREEZERS WITH NATURAL REFRIGERANTS

DEPENDABLE -80 °C STORAGE, POWERED BY H-DRIVE FOR OPERATIONAL SAVINGS AND SUSTAINABILITY

- Low energy usage
- Low peak temperature variation
- Fast door opening recovery
- Long warm up time
- Four sizes available (300, 400, 500, 600 x 2" box capacities)

Description	Capacity	Temperature range	Plug type	Cat. No.
VWR® ultra-low freezers, 600-box capacity	28.8 cu. ft.; 600 cryoboxes (2")	-86 °C	NEMA 5-20	76307-954



VWR® -86 °C ULTRA LOW TEMPERATURE FREEZERS WITH RACKS

DEPENDABLE -80 °C STORAGE, POWERED BY H-DRIVE FOR OPERATIONAL SAVINGS AND SUSTAINABILITY

- Low energy usage
- Low peak temperature variation
- Fast door opening recovery
- Long warm up time
- Four sizes available (300, 400, 500, 600x2" box capacities)

Description	Capacity	Temperature range	Plug type	Cat. No.
VWR® -86 °C Ultra-Low Temperature Freezers, 115 V, 60 Hz				
Ultra-low temperature freezer includes 2 shelves of racks and boxes, VWR60086FARK	28.8 cu. ft.; 600 cryoboxes (2")	-86 °C	NEMA 5-20	76318-768

VWR® Lab Refrigerators and Freezers with Natural Refrigerants

ESTABLISHED TECHNOLOGY TO REDUCE OZONE DEPLETION AND ENERGY USAGE

- Hydrocarbon (HC) refrigerant's thermodynamic properties are superior to traditional hydro fluoro carbon refrigerants.
- HC refrigerant's heat retention is approximately 90% greater than R134a and 140% greater than R404a with lower viscosity.
- HC's can absorb more heat faster, resulting in quicker temperature recovery and lower energy consumption.

ADVANTAGES OF HYDROCARBON REFRIGERANTS

- 45-60% decrease in refrigerant charge size
- Up to 15% reduction in energy consumption
- Contains no fluorine or chlorine
- Short atmospheric life of about 2 weeks
- Less aggressive refrigerant - extending life of the system
- Hydrocarbon is a naturally occurring refrigerant
- Zero ozone depletion potential

EQUIPMENT

Refrigerators & freezers, ovens



VWR® ULTRA-LOW TEMPERATURE CHEST FREEZERS, -86 TO -50°C

DESIGNED AND CONSTRUCTED FOR LONG-TERM PERFORMANCE, THESE FREEZERS REPRESENT THE LEADING CHOICE OF LABORATORY PROFESSIONALS FOR APPLICATIONS WHERE TEMPERATURE CONTROL IS CRITICAL

- Microprocessor temperature control system
- Advanced monitor/alarm system
- Automatic voltage compensator
- Cascade refrigeration system
- Non-CFC, non-HFCF, nonflammable refrigerants
- VWR® Two-year limited parts and labor warranty
- VWR® Five-year warranty on compressor parts

Description	Capacity	Temperature range	Cat. No.
Ultra-Low Temperature Chest Freezers			
VWR® Collection ULT chest freezer	566 L (20 cu. ft.)	-50...-86 °C (-58...-123 °F)	10160-746



VWR® FORCED AIR OVENS

OPTIMAL CHOICE FOR FAST DRYING PROCESSES, REMOVING HUMIDITY MUCH FASTER THAN GRAVITY CONVECTION UNITS

- Consistency - repeatable results with outstanding temperature stability and uniformity
- Versatility - covers wide range of heating and drying applications
- Extremely versatile with a wide temperature range, 50 – 250 °C and three benchtop sizes ranging from 2.3 – 6.3 cu. ft.
- Two wire mesh shelves included (55 lbs. capacity each)
- Two-year warranty with extended warranty packages available

Volume	Ext. dimensions	Interior dimensions	Heat-up time	Recovery time	Temperature uniformity	Fluctuation	Cat. No.
Forced Air Ovens							
104 L (3.7 cu. ft.)	64.01×64.01×82.04 cm (25.2W×25.2D×32.3H")	46.48×36.83×60.71 cm (18.3W×14.5D×23.9H")	18 min.	3 min.	± 3.5°C (based on 27 sensors)	± 0.4°C	89511-412



VWR® SIGNATURE™ FORCED AIR SAFETY OVENS

THESE MICROPROCESSOR-CONTROLLED FORCED AIR UNITS ARE EQUIPPED WITH A BLOW-OUT BACK PANEL TO PROTECT THE USER FROM INJURY

- Microprocessor control system
- Over-temperature safety limit, manual restart
- Rear blow-out panel
- Heavy-gauge steel construction for durability
- VWR® Two-Year Limited Parts and Labor Warranty

Description	Electrical	Volume	Ext. dimensions	Interior dimensions	Shipping weight	Cat. No.
Horizontal Air Flow Oven (1350FMS)	110V, 50/60Hz, 2000W	115 L (4 cu. ft.)	70W x 68.6D x 88.3H cm (27 ¹ / ₂ x 27 x 34 ³ / ₄ ")	45.7W x 48.3D x 41.9H cm	97.5 kg (215 lbs.)	52201-216

VWR® AIR JACKETED CO₂ INCUBATOR, BASIC

DELIVERS VALUE AND PERFORMANCE FOR EVERYDAY CELL CULTURE APPLICATIONS BY PROVIDING A RELIABLE GROWTH ENVIRONMENT WITH ADDED CONVENIENCE OF ON-DEMAND HIGH HEAT DECONTAMINATION



- 5.3 cu. ft. stainless steel internal chamber volume with three standard shelves
- Exceptional value with high heat decontamination
- On-demand 90 °C moist heat decontamination cycle for simplified cleaning
- Fan-assisted airflow and in-chamber sensors maintain a uniform and stable growth environment
- Dual temperature probes for over-temperature protection and TC CO₂ sensor for long lasting, reliable performance
- Integrated pan design for fast recovery and high relative humidity
- Easy-to-install and dismantle shelf system with rounded corners for easy cleaning
- Three-year part and labor warranty

Description	Volume	Cat. No.
Basic CO ₂ Incubator Air Jacket	5.3 CF	10810-888

VWR® B.O.D. LOW TEMPERATURE REFRIGERATED INCUBATORS

FORCED-AIR CIRCULATION DELIVERS EXCELLENT TEMPERATURE STABILITY



- Microprocessor control with easy-to-read display shows actual temperature within 0.1 °C
- Push-button controls for temperature setpoint selection
- CFC-free, foamed polyurethane insulation prevents heat loss
- RTD temperature probe and protected setpoint mode prevent accidental temperature change
- Door lock protects samples from unauthorized access
- Easy-to-clean, corrosion-resistant construction
- Compressor relay conserves energy
- Two-year warranty with extended warranty packages available

Electrical	Volume	Ext. dimensions	Interior dimensions	Temperature range	Temperature uniformity	Fluctuation	Temperature setting accuracy	Cat. No.
BOD Incubators								
115V, 60Hz, 7.0A	566 L (20.0 cu. ft.)	78.7D x 86.4W x 195.6H cm (31 x 34 x 77")	50.8D x 67.3W x 144.8H cm (20 x 26.5 x 57")	-10 to +50°C	±1°C at 20°C, ±0.5°C at 37°C	± 1.0°C	±0.5°C	10753-894



VWR® HORIZONTAL CENTRIFUGES

WELDED STEEL CENTRIFUGES ARE CAPABLE OF SEPARATING PLATELET-RICH, PLATELET-POOR, AND PLATELET-FREE PLASMA

- Platelet separation
- Fast processing
- Rotor, tube holders, and caps included
- Safety lock lid

Description	Electrical	Dimensions	Tube dimensions	Max. capacity	Max. rcf	Max. speed	Timer	Shipping weight	Cat. No.
Single Speed Centrifuge	120V, 60Hz, 200W, 4A	22H x 28W x 32D cm (8½ x 11 x 12½")	17W x 100H mm (max.)	6 x 10 mL	1600 g	3380 rpm	1-30 min.	8.4 kg (18.5 lbs.)	95037-278



VWR® MINI CENTRIFUGES

DESIGNED FOR QUICK SPIN-DOWNS OF MICROCENTRIFUGE TUBES AND PCR STRIPS AND TUBES

- Quick-release rotors; no tools required
- Eight position microtube rotor
- Spins up to 7500 rpm/3200 xg
- Decelerates in less than one second
- Two-year warranty

Description	Electrical	Capacity	Cat. No.
115 V Unit			
VWR® Mini Centrifuge	115 V	8x1.5/2.0 and 32x0.2 mL	76269-064



VWR® PLATE CENTRIFUGE

SPINS AT 2500 RPM/ 850 XG, TO QUICKLY SPIN DOWN DROPLETS AND CONDENSATION IN PCR PLATES

- Easy access rotor includes two Plate Carriers
- Unique swing-out rotor design prevents sample spillage
- Less than half the size of traditional centrifuges

Description	Max. capacity	Cat. No.
VWR® Plate Centrifuge	2 x 2 PCR Plates, 2 x Microtiter Plates, 24 x 0.2mL PCR Strips	10144-214



VWR® ADVANCED 3500 ORBITAL SHAKER

DESIGNED FOR A WIDE RANGE OF APPLICATIONS INCLUDING CELL CULTURES THAT REQUIRE ACCURATE AND REPEATABLE RESULTS

- Exclusive Accu-Drive® shaking system
- Triple eccentric drive provides reliable service and continuous duty operation
- Built-in load sensor detects unbalanced conditions and automatically reduces rpm to a safe speed to protect samples
- Five-year warranty on parts and labor
- Available with a NIST Traceable, ISO/IEC 17025 Accredited Calibration Certificate from Troemner

Description	Electrical	Orbit	Speed	Cat. No.
Shakers				
Model 3500 Advanced Shaker	120V	19 mm (¾")	15-500 rpm	89032-096



WARD'S® ROTATING MIXERS AND INCUBATORS

SUITABLE FOR AN ARRAY OF LABORATORY APPLICATIONS INCLUDING RESUSPENSION, PROTEIN BINDING, NUCLEIC ACID PURIFICATION, HISTOCHEMISTRY AND HYBRIDIZATION

- Includes tube holders for common tube sizes
- Several motion and incubation capacities available
- Two-year warranty

Description	Electrical	Speed range	Temperature range	Cat. No.
Motion and Incubation, 115 V				
Roto-Therm PLUS	115 V	5 - 70 rpm	Ambient +5...60 °C	470313-920



VWR® INCUBATING ORBITAL SHAKER, MODEL 3500I

THE MICROPROCESSOR CONTROL OF THE MODEL 3500I PROVIDES CONSISTENT, UNIFORM MIXING ACTION

- Microprocessor control with digital display for speed, temperature, and time
- Opti-flow forced ventilation system
- Triple eccentric drive with brushless motor
- Five-year warranty
- NIST-Traceable, ISO/IEC 17025 accredited calibration certificate from Troemner available

Electrical	Orbit	Speed range	Temperature range	Cat. No.
120V, 50/60Hz	19 mm (3/4")	15-500 rpm	5° above ambient to 65°C (149°F)	12620-946



VWR® ANALOG ROCKING PLATFORM SHAKERS

IDEAL FOR CELL CULTURE AND BLOTTING APPLICATIONS, AND IS DESIGNED TO BE USED IN A VARIETY OF ENVIRONMENTAL CONDITIONS

- Variable control for speed, tilt, and time
- 16-lb. capacity
- Two-tier model doubles workable capacity
- 5-year warranty on parts and labor

Description	Electrical	Cat. No.
Analog Rocking Platform Shaker Two Tier	120V, 50/60 Hz	10127-876

EQUIPMENT

Shakers, stirrers, & vortexers



VWR® STANDARD HOT PLATE STIRRERS

IDEAL FOR GENERAL-PURPOSE LABORATORY USE

- Excellent temperature uniformity
- Enhanced electronic features
- Cool touch, chemical-resistant housing
- Now with Best-in-Class, Exclusive 5-Year Warranty
- Industry Leading Safety Features

Electrical	Overall dimensions	Top plate dimensions	Max. capacity	Top plate material	Shipping weight	Cat. No.
120V, 1000W, 8.3A	25.1W x 37.6L x 10.9H cm	17.8 x 17.8 cm (7 x 7")	2500 mL	Ceramic	4.8 kg (10.5 lbs.)	97042-634



VWR® PROFESSIONAL HOT PLATE STIRRERS

STIRRERS ARE EQUIPPED WITH AN EXCLUSIVE SAFETY SYSTEM THAT HELPS PROTECT BOTH THE OPERATOR AND SAMPLE

- Excellent temperature uniformity
- Digital display for temperature, speed, and time
- Cool touch, chemical-resistant housing
- Includes an RTD temperature probe kit
- Exclusive five-year warranty
- Available with a NIST Traceable, ISO/IEC 17025 Accredited Calibration Certificate from Troemner
- Industry Leading Safety Features

Electrical	Overall dimensions	Top plate dimensions	Max. capacity	Top plate material	Shipping weight	Cat. No.
120V, 1000W, 8.3A	25W x 37.6L x 10.9H cm	17.8 x 17.8 cm (7 x 7")	2500 mL	Ceramic	5.4 kg (12 lbs.)	97042-714



VWR® CERAMIC TOP HOT PLATES AND HOT PLATE-STIRRERS

ONE-PIECE CERAMIC TOP PLATE DESIGN FEATURING A CHEMICAL RESISTANT, REFLECTIVE WHITE SURFACE THAT IS EASY TO CLEAN, AND A HOUSING MADE OF A HEAT RESISTANT POLYMER

- Stable temperature, heats quickly
- Temperature range: ambient +5 to 500 °C
- Available with or without LED temperature readout
- CSA-listed
- One-piece ceramic top plate
- Spill-resistant, low-profile design
- Five-year warranty

Top plate dimensions	Max. capacity	Cat. No.
Heat and Stir, Analog with Temp. LED 7 x 7"	2500 ml	470013-372

EQUIPMENT

Shakers, stirrers, & vortexers, Waterbaths



VWR® DYLA-DUAL™ HOT PLATE STIRRER

THE ECONOMICAL AND DURABLE DYLA-DUAL™ HOT PLATE STIRRER IS IDEAL FOR GENERAL HEATING AND STIRRING

- Large 16.5 cm (6½") diameter Cast aluminum top plate
- Stirs from 100 to 1600 rpm
- Heats up to 400°C (752°F)
- 1500 mL capacity
- Now with Best-in-Class, Exclusive 5-Year Warranty

Description	Electrical	Cat. No.
Hot Plate Stirrer	120V, 50/60Hz, 10A, 575W	12620-970



VWR® AND VWR SIGNATURE™ MULTI-TUBE VORTEXERS

HOLDS MULTIPLE TEST TUBES, VIALS, OR CYLINDERS

- Process up to 50 samples at a time
- Continuous or timed operation
- Includes foam rack for 12mm tubes
- Now with best-in-class, exclusive 5-year warranty

Description	Electrical	Dimensions	Shipping weight	Cat. No.
Digital Multi-Tube Vortexer 120 V				
VWR® Analog Multi-Tube Vortexer	120V, 50/60Hz, 100W	38.4L x 24.1W x 40.6H cm (15½ x 9½ x 16")	19.1 kg (42 lbs.)	58816-115



VWR® STANDARD HEAVY-DUTY VORTEX MIXER

EFFICIENT MOTOR PERMITS CONTINUOUS DUTY OPERATION AND THE ABILITY TO HANDLE ACCESSORY COMPONENTS OVER THE ENTIRE SPEED RANGE

- Designed for continuous duty
- Now with Best-in-Class, Exclusive 5-Year Warranty

Electrical	Orbit	Cat. No.
120V, 30W, 0.25A	4.9 mm (0.194")	97043-562



VWR® DIGITAL GENERAL-PURPOSE WATER BATHS

THESE PREMIUM DIGITAL GENERAL-PURPOSE WATER BATHS ARE DESIGNED WITH HIGH-GABLED LIDS WITH HINGE TO HOLD LID UP AND ALLOW CONDENSATE TO DRAIN INTO BATH

- Easy-to-read, colour, touch screen
- Three push-button pre-sets for frequently used temperatures
- Large buttons for easy navigation
- Eco mode for heat-off use
- Temperature calibration capability
- Safety thermostat and alarms

Electrical	Capacity	Overall dimensions	Working access	Cat. No.
Water Baths, 120 V				
120 V, 60 Hz	2 L	22.9Lx30.5Wx34.3H cm	9.9 x 10.9 x 15.2 cm	76308-830
120 V, 60 Hz	20 L	57.2Lx44.5Wx39.3H cm	24.1 x 43.2 x 15.2 cm	76308-900

EQUIPMENT

Water baths, Miscellaneous lab equipment



VWR® REFRIGERATED CIRCULATING BATHS

OFFER PRECISE TEMPERATURE CONTROL, AT TEMPERATURE RANGES FROM -40° TO 200°C (DEPENDING ON THE CONTROLLER)

- Offer precise temperature control
- Available in a wide range of sizes
- Three controller options

Description	Electrical	Cooling capacity	Overall dimensions	Max. pressure	Max. pressure flow rate	Temperature stability	Cat. No.
7L Space-Saving Refrigerated Circulator with Advanced Programmable Controller, -20°C	120VAC, 60Hz	200W (at 20°C)	54.1L x 22.1W x 61.7H cm (21.3 x 8.7 x 24.3")	4.3 psi (0.3 bar)	5.3 gpm (20.1 l/min.)	±0.01°C	89202-974

WARD'S® AUTOMATIC AUTOCLAVE SERIES

THREE CONVENIENT OPTIONS FOR BENCHTOP STERILIZATION

- Rapid, complete sterilization for educational/research use
- Built-in water tank doesn't require external water supply
- Safety interlocks prevent door from opening while pressurized
- Stainless steel sterilization chambers
- One-year warranty



Description	Electrical	Capacity	Dimensions	Cat. No.
BioClave Mini	115 V, 50-60 Hz, 950 W	8 L	20x13.5x12.9"	470230-596
BioClave 16	115 V, 50-60 Hz, 1600 W	16 L	22x17.5x15.7"	470230-598
BioClave 28	200/240 V, 50-60 Hz, 2300 W	28 L	25x25x22"	470318-946

VWR® 400DEL DIGITAL BENCHTOP HOMOGENIZER

HIGH-WATT MOTOR AND ADVANCED TECHNOLOGY IN DIGITAL SPEED CONTROLS RESULTS IN THE MOST RELIABLE AND DURABLE LABORATORY BENCHTOP HOMOGENIZER UNIT

- Compact digital benchtop unit with 1305 high-watt motor
- Motorized stand with extra-length stand height for large containers
- Wide processing volume range, from 0.03 mL to 30L
- Able to homogenize, emulsify, blend, and/or mix
- VWR® Generator probe sold separately



Description	Electrical	Volume range	Speed range	Cat. No.
VWR® 400DEL Digital Benchtop Homogenizer	120V	0.5 mL Tubes to 30L (H ₂ O)	Digital Speed Control: 10,000-30,000 rpm (with Separate ON/OFF Switch)	10032-344



VWR® RECIRCULATING CHILLERS, -10° TO +40°C

STABLE AND RELIABLE COOLING FOR MANY COMMON HEAT REMOVAL APPLICATIONS, INCLUDING LASER ETCHING, AA FURNACES, ICP, ROTARY EVAPORATORS, VACUUM SYSTEMS, REACTION VESSELS, PLASMA ETCHING, AND CONDENSER COOLING

- Economical
- Compact, portable design
- Reliable cooling

Description	Electrical	Cooling capacity	Max. pressure	Flow rate	Compressor size	Cat. No.
HP Chiller, Magnetic Drive Centrifugal Pump	208-230VAC/60Hz	1100W at 0°C, 1835W at 10°C, 2900W at 20°C	10 psi (0.69 bar)	4.1 gpm (15.5 l/min.)	1 HP	13271-216



VWR® ADJUSTABLE BUNSEN BURNERS

PRECISE FLAME CONTROL

- Gas Inlet: $\frac{5}{16}$ " O.D.
- Mixing Tube: $\frac{1}{2}$ " O.D.
- Height: $6\frac{3}{8}$ "

Description	BTU output	Cat. No.
Natural Gas Burner	800-1200 BTU/cu. ft.	470149-518



VWR® COMPACT TUBING PUMP

COMPACT PUMPS OFFER ENHANCED AND VERSATILE PERFORMANCE IN AN ULTRA-COMPACT, LOW-MAINTENANCE DESIGN

- Accurate and repeatable flow delivery
- Accommodates all sizes and formulations of microbore flow rated tubing
- Space efficient—low profile, stackable design
- Remote capability—actuate unit with a foot switch or contact closure

Description	Electrical	Tubing I.D.	Flow rate	rpm	No. of channels/rollers	Cat. No.
Compact Tubing Pump, PP1080	90 - 260VAC, 60/50Hz	0.19, 0.25, 0.89, 1.42, 2.06, 2.79 mm	0.017 - 11 mL/min.	10 - 80	$\frac{1}{4}$	76035-984

Instruments

MICROSCOPES

BALANCES

MEASUREMENT & ANALYSIS





VWR® BASIC INVERTED MICROSCOPE

INVERTED MICROSCOPE WITH AN EXTENDED FOCUS ON PRACTICAL ASPECTS

- Trinocular Siedentopf head with light splitter
- Side-facing quintuple nosepiece
- Infinity corrected optics (4×,10× and 20× phase)
- Plain stage with glass and metal inserts
- Eyepieces: 22 mm

Description	Cat. No.
VWR® Basic Inverted Trinocular Microscope	76317-470



VWR® TRINOCULAR INVERTED MICROSCOPE

IDEAL DEVICE FOR LIVE CELL AND ADVANCED APPLICATIONS, AS WELL AS ROUTINE LABORATORY, RESEARCH, AND EDUCATIONAL NEEDS

- Ideal for live cell and advanced applications
- Trinocular Siedentopf tube with 45° inclination
- One-year warranty on electrical parts
- Five-year warranty on mechanical parts and optics

Description	Cat. No.
VWR® Trinocular Inverted Microscope	89404-462



VWR® B2-SERIES ANALYTICAL AND PRECISION BALANCES

BALANCES COMBINE ADVANCED WEIGHING FEATURES WITH INTUITIVE OPERATION

- Reliable results
- External calibration
- Multiple weigh modes
- Worry-free five-year warranty
- Forced compensation weighing technology

Description	Weighing capacity	Linearity	Pan/platform size	Readability	Repeatability	Cat. No.
Analytical, with Draft Shield	210 g	0.2 mg	85 mm	0.1 mg	0.1 mg	75802-862



VWR® A-SERIES BALANCES

STATE-OF-THE-ART FEATURES FOR ADVANCED WEIGHING APPLICATIONS AND DOCUMENTATION

- State-of-the-art features for advanced weighing and documentation
- Internal calibration
- Multiple weigh modes
- 2×RS-232 and USB (A and B) communication interfaces
- Easy-to-read, adjustable, backlit display
- Five-year warranty

Model	Weighing capacity	Linearity	Readability	Repeatability	Cat. No.
Analytical with Draft Shield	220 g	0.2 mg	0.1 mg	0.1 mg	10204-962



VWR® T-SERIES BALANCES, LEGAL-FOR-TRADE (NTEP)

NTEP CERTIFICATION BALANCES FEATURE STATE-OF-THE-ART TECHNOLOGY TO PROVIDE THE HIGHEST LEVEL OF ACCURACY

- Class I and II options
- Advanced features for weighing and documentation
- Internal calibration
- 2 x RS-232, wireless, ethernet, and USB (A & B) communication interfaces
- Touchless operation via IR proximity sensors
- Granite Platform with Anti-Vibration Isolation for high precision balances in environments where vibration may affect weighing results
- 5-year warranty

Model	Weighing capacity	Linearity	Pan/platform Size	Readability	Stabilization time	Repeatability	Cat. No.
With 3-Door Draft Shield							
VWR-225TC.N	8 $\frac{1}{2}$ 220 g	±0.0%0.2 mg	9.8 cm	0.0%0.1 mg	2 s	0.1 mg	76329-386
Without Draft Shield							
VWR-2102TC.N	2100 g	±0.02 g	19.5 x 19.5 cm	0.01 g	1.5 s	0.01 g	76329-396
Accessory							
Granite Platform for Weighing 70 lbs. Max Load	-	-	38.1 x 33 cm	-	-	-	10799-162



VWR® X-SERIES MICROBALANCES

ADVANCED PROCESSING SYSTEM AND CONTINUOUS ENVIRONMENTAL MONITORING ALLOWS FOR THE HIGHEST LEVEL OF MEASUREMENT ACCURACY AND REPEATABILITY

- Capacity from 6.1 to 52 g
- Automatic level control
- Motorized glass draft shield (XA models)
- Hands-free operation via IR proximity sensors
- Automatic, internal calibration mechanism
- 5.7" color, resistive touch screen
- Built-in antistatic ionizer (XA models)
- Three door draft shield chamber for easy sample introduction
- Three year warranty

Model	Weighing capacity	Linearity	Pan/platform size	Readability	Stabilization time	Repeatability	Cat. No.	Unit
3-Door Draft Shield								
VWR-6XC	6.1 g	±7 µg	Ø 30 mm	1 µg	3.5 s	1.3 µg (At 5% Load)	76321-876	Each



VWR® U-SERIES MICROBALANCES

ADVANCED WEIGHING TECHNOLOGY ALLOWING FOR THE HIGHEST ACCURACY AND REPEATABILITY IN THE SMALLEST SAMPLE SIZE

- Capacities from 2.1 to 21 g
- Readabilities from 0.1 to 1 µg
- Automatic level control and motorized glass draft shield
- Hands-free operation via IR proximity sensors
- Automatic, internal calibration mechanism
- 5.7" color, resistive touch screen
- 16 GB RAM to allow for expanded data management
- Three years warranty

Model	Weighing capacity	Linearity	Pan/platform size	Readability	Stabilization time	Repeatability	Cat. No.	Unit
Ultra Microbalance								
VWR-2.1U	2.1 g	±1.5 µg	Ø 16 mm	0.1 µg	10 s	0.25 µg (at 5% load)	76321-866	Each



VWR® TRACEABLE® REFRIGERATOR/FREEZER DIGITAL THERMOMETER

ACCURATELY MONITOR TEMPERATURES IN FREEZERS, WATER BATHS, HEATING BLOCKS, INCUBATORS, AND REFRIGERATORS WITH THIS ENCLOSED TEMPERATURE-BUFFERED SENSOR

- Probe is sealed in glycol solution
- Min/max memory
- High and low settable alarms

Description	Temperature range	Cat. No.
Refrigerator/Freezer Thermometer	-50 to 70°C (-58 to 158°F)	61161-364



VWR® TRACEABLELIVE™ WI-FI DATALOGGING REFRIGERATOR/FREEZER THERMOMETERS WITH REMOTE NOTIFICATION

THE SIMPLE, EFFICIENT, AND RELIABLE WAY TO STAY CONNECTED TO YOUR CRITICAL ENVIRONMENTS, WHEREVER YOU GO

- Monitor temperature and more locally or remotely
- Alerts: temperature alarm, connectivity interruption, low battery
- Cloud-based data interface
- Continuous data transmission and monitoring using SSL encrypted SECURE connection
- Receive MOBILE PUSH / E-MAIL / TEXT notifications
- Multiple point temperature calibration—traceable to NIST
- Unlimited scalability—use TraceableLIVE™ in individual labs or an entire network of facilities

Description	Accuracy	Resolution	Cat. No.
2 bottle sensors	T: ±0.25 °C	T: 0.01 °C	10816-260



VWR® TRACEABLE® GIANT-DIGITS™ RADIO ATOMIC CLOCK WITH HUMIDITY

AN ABDUNDANCE OF FEATURES COMBINE TO CREATE THE PERFECT LABORATORY CLOCK – VIEW TEMPERATURE AND HUMIDITY READINGS FROM ANYWHERE IN THE LAB

- Giant-Digits™ 4.75" display is viewable from 200 feet
- Simultaneously displays both F/C temperatures and relative humidity
- Temperature range: 0 to 45 °C (32 to 113 °F); Resolution: 0.1°; Accuracy: ±1 °C
- Humidity Range: 20 to 90% RH; Resolution: 1% RH; Accuracy: ±5% mid-range (±7% otherwise)
- Accuracy is 1/10000 of a second; Maintains better than 1-second accuracy for 25000 years
- 1 second resolution and Batteries included

Description	Cat. No.
VWR® Traceable® Giant-Digits™ Radio Atomic Clock with Humidity	76214-380



VWR® DIGITAL CALIPERS

CALIPERS MEASURE OUTSIDE DIAMETER, INSIDE DIAMETER, AND DEPTH

- Ergonomic Design
- Traceable®

Material	LxW	Accuracy	Measurement range	Resolution	Cat. No.
Stainless Steel	22.9 x 7.6 cm (9 x 3")	±0.03 mm (±0.001")	0–15.2 cm (0–6")	0.01 mm (0.0005")	62379-531



VWR® TRACEABLE® FOUR-CHANNEL ALARM TIMER WITH CLOCK

MICROCOMPUTER CHIP PERMITS SETTING FOUR SEPARATE CHANNELS FOR SIMULTANEOUS COUNTUP OR COUNTDOWN PROCEDURES

- Massive 3/4" high display allows viewing from across the room
- Extra-loud, high decibel alarms for 1 minute and may be silenced manually
- Timing capacity to 99 hours, 59 minutes and 59 seconds with a 1 second resolution
- Remarkable memory returns display to previously programmed countdown time at the touch of a button

HxWxD	Cat. No.
7 x 6.4 x 1.3 cm (2 ³ / ₄ x 2 ¹ / ₂ x 1/2")	62344-641



VWR® PH ELECTRODES

OFFER EXCEPTIONAL RESPONSE TIME AND ACCURACY

- Durable construction
- Quick response time
- Exceptional accuracy

Description	Range	DxL	Internal reference	Body material	Connector	Junction	Temperature range	Cat. No.
pH Electrode with Integrated Temperature Sensor	0 to 14 pH	12 x 170 mm	Ag/AgCl	Polycarbonate Body	MP5 ¹	Porous Pin	0 to 80°C	89231-608



VWR® PH ELECTRODE STORAGE SOLUTION, VWR®

STORAGE SOLUTION FOR SYMPHONY® PH ELECTRODES

- Storage solution is pre-mixed for ready use
- Convenient bottle size
- Allows easy maintenance of pH electrodes

Volume	Cat. No.
500 mL	89236-516



VWR® GLASS TUBE FLOWMETERS, MODELS 1250 AND 1255

FOR AIR OR AIR/WATER AND AVAILABLE IN 65 OR 150MM SCALE LENGTHS

- Rotating lens provides a 180° view with magnification
- Heavy-wall, precision bore
- Borosilicate glass
- Removeable without disconnecting instrument
- Threaded jack screw

Air flowrate	Float material	Tube ends	Water flowrate	Cat. No.
Model 1255 Flowmeter with 150 mm (5 29/32") Scale				
4480 CCM (max.)	Stainless Steel, 3/16" Ø	1/8" FNTP aluminum fittings and standard inlet valve	125 CCM (max.)	97005-080



VWR® FLOWMETERS, ACRYLIC

AIR AND WATER FLOWMETERS ARE SUITABLE FOR USE WITH VARIOUS APPLICATIONS INVOLVING AIR SAMPLING EQUIPMENT, AQUACULTURE, DESALINIZATION EQUIPMENT, GAS ANALYZERS, MEDICAL SYSTEMS, PHOTOPROCESSING EQUIPMENT, AND WATER TREATMENT AND DISTRIBUTION SYSTEMS

- Stainless steel fittings, valves, and seals
- Clear acrylic construction
- Easy-to-read scales

Description	Range	Cat. No.
Model 2510 Series Air Flowmeters with 51 mm (2") Scale and 1/8" FNPT Stainless Steel Fittings	0.04–0.5 LPM	97004-636



VWR® MOISTURE ANALYZERS

PRECISE AND RELIABLE RESULTS FOR MOISTURE CONTENT ANALYSIS

- Automatic opening and closing of drying chamber lid
- Large, 5" color capacitive touch screen
- Moisture content analysis
- Dry mass determination
- Hands-free operation with IR proximity sensors
- Three-year warranty

Description	Dimensions	Cat. No.
Halogen Heating Module	33.8x20.6x19.7 cm	76290-332



VWR® DIGITAL HYGROMETERS

IDEAL FOR CRITICAL EXPERIMENTS, ROUTINE MEASUREMENTS, AND CONTINUOUS MONITORING APPLICATIONS, AND ARE SUITABLE FOR ALL QUALITY CONTROL NEEDS

- Traceable®
- Contain fast response solid-state sensors
- Units perform measurements 2.5 times a second and update the display once a second

Description	Cat. No.
Hygrometer/Thermometer with Dual Minimum/Maximum Memory	35519-047



VWR® BASIC MELTING POINT APPARATUS

PRIMARILY USED IN DETERMINING THE PURITY OF A SAMPLE AND IS OPTIMIZED TO QUICKLY AND EFFICIENTLY HEAT UP TO 3 SAMPLES AT ONE TIME

- LCD screen displays temperature, date, and time
- Audible alarm when set temperature is reached
- Large, clear viewing window with 8x magnification and white LED to illuminate samples
- Five-Year Warranty
- Available with a NIST Traceable, ISO/IEC 17025 Accredited Calibration Certificate from Troemner

Description	Cat. No.
Melting Point Apparatus	75840-104



VWR® TOUCHLESS LASER BEAM TACHOMETER

HANDHELD POINT-AND-SHOOT TACHOMETER TARGETS A ROTATING OBJECT, PROVIDING PRECISION RESULTS IN TWO SECONDS

- Portable
- Stable and repeatable results
- Impact-resistant ABS plastic housing
- Designed to measure moving parts and surfaces

Range	Cat. No.
10-99,999 rpm	46610-048



VWR® DIGITAL HANDHELD REFRACTOMETERS

DUAL SCALE HANDHELD REFRACTOMETERS DESIGNED TO PROVIDE RANGES OF BRIX (SUGAR CONCENTRATION) AND REFRACTIVE INDEX MEASUREMENTS

- Optical glass prism and stainless steel dish to stabilize sample temperature
- Simple zero calibration with distilled water
- Automatic temperature compensation (ATC) to correct readings of water and sucrose solutions to 20°C

Range	Cat. No.
0 - 95 °Bx ; 1,33 - 1,54 nD	75997-574



VWR® DOUBLE BEAM UV-VIS SPECTROPHOTOMETER

A DOUBLE BEAM SPECTROPHOTOMETER SUITABLE FOR A WIDE RANGE OF APPLICATIONS INCLUDING GENERAL RESEARCH, PHARMACEUTICAL, BIOCHEMICAL AND CLINICAL LABORATORY USE, NEW MATERIAL DEVELOPMENT, AND QUALITY CONTROL

- Standard photometrics - absorption, transmission, concentration
- Quantitative analysis and kinetics
- Multi-wavelength scan, spectrum scan
- DNA/RNA and protein analysis

Description	Cat. No.
UV-6300PC Spectrophotometer	10037-442

Clinical & diagnostic

MICROSCOPE SLIDES & ACCESSORIES

HISTOLOGY

SAMPLE COLLECTION

BIOHAZARD TRANSPORTATION
& WASTE DISPOSAL



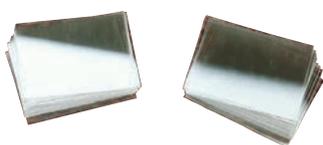


VWR® MICRO COVER GLASSES, SQUARE, NO. 1½

COVER GLASSES OFFER MAXIMUM CLARITY, SUPERIOR CORROSION RESISTANCE, AND UNIFORM THICKNESS AND SIZE

- No. 1½ thickness is 0.16 to 0.19mm

LxW	Cat. No.
22 x 22 mm (7/8 x 7/8")	48366-227

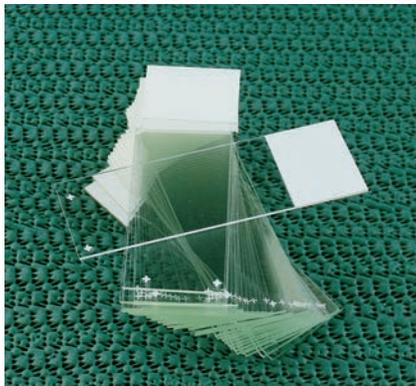


VWR® MICRO COVER GLASSES, RECTANGULAR

MICRO COVER GLASSES ARE MADE FROM THE BEST QUALITY GLASS, AND EACH SET OF NUMBERED SLIDES IS UNIFORM IN SIZE AND THICKNESS

- Quality glass construction
- Uniform sizes
- Three slide thickness options available

Description	LxW	Cat. No.
No. 1½ Slides	24 x 50 mm (1 x 2")	48393-241

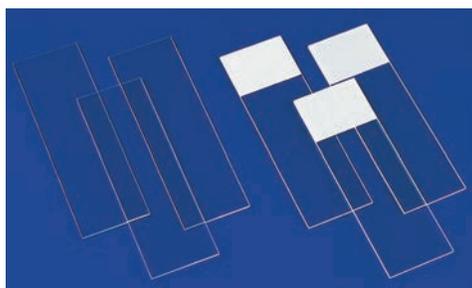


VWR® SUPERFROST® PLUS MICRO SLIDE, PREMIUM

SPECIAL TREATMENT ELIMINATES THE NEED FOR ADDITIONAL ADHESIVES OR PROTEIN COATINGS AND IMPROVES TISSUE ADHERENCE IN MICROWAVE STAININGS

- Ideal for frozen tissue sections and cytology preparation applications
- Opaque coating reliably retains laboratory markings
- Positively charged

LxW	Thickness	Color	Cat. No.
75x25 mm (3x1")	1 mm	White	48311-703



VWR® PLAIN AND FROSTED MICRO SLIDES, PREMIUM

PRE-CLEANED SLIDES ARE MADE FROM THE HIGHEST-QUALITY SHEET GLASS.

- Plain and frosted formats available
- Standard and Economy formats available
- Glass fabrication

LxW	Thickness	Cat. No.
Plain Slides		
75 x 25 mm (3 x 1")	1 mm	48300-026



VWR® SLIDE STORAGE CABINET

RUGGED SLIDE STORAGE CABINET IS MANUFACTURED FROM 24 GAUGE STEEL WITH A BAKED EPOXY FINISH TO ENSURE THAT SLIDES CAN BE STORED WITH CONFIDENCE

- Sturdy 24-gauge steel construction
- Cabinet accommodates up to 5000 slides
- Stackable design

Description	Dimensions	Color	Shipping weight	Cat. No.
VWR® Slide Storage Cabinet	40W x 48.3L x 12.7H cm (15¾ x 19 x 5")	Brown	9 kg (20 lbs.)	80086-976



VWR® MICROSCOPE SLIDE BOXES, 100-PLACE

EACH BOX FEATURES CORK LINING AND AN OUTER SHELL MADE OF DURABLE ABS PLASTIC

- Durable ABS plastic outer shell
- Stores up to 100 standard (1x3") slides

Color	Cat. No.
White	82003-414



VWR® 100% ALCOHOL, REAGENT GRADE FOR HISTOLOGY

- Reagent Grade Alcohol, 100%
- Manufactured from high quality raw materials in an ISO 13485 facility

Size	Cat. No.
1 gal.	89370-084



VWR® CHEMICAL-RESISTANT LABORATORY MARKER

PERMANENTLY MARKS SLIDES AND CASSETTES IN THE HISTOLOGY LABORATORY

- Ultra-fine tip
- Ink is waterproof, smearproof, and odorless
- Resistant to common histology chemicals, including formalin, xylene, and alcohols

Ink color	Cat. No.
Black	95042-566



VWR® PREFILLED HISTOLOGY CONTAINERS, 10% NEUTRAL BUFFERED FORMALIN (NBF)

CONTAINERS ARE HALF-FILLED WITH 10% NEUTRAL BUFFERED FORMALIN, FOR THE COLLECTION AND TRANSPORT OF TISSUE SAMPLES

- High clarity virgin polypropylene container construction
- Polyethylene screw caps included
- 20–120 ml containers are 95kPa compliant

Description	Capacity	Cat. No.
Prefilled 10% Neutral Buffered Formalin	20 ml	16004-112



VWR® DISPOSABLE TISSUE GRINDERS

DISPOSABLE TISSUE GRINDERS ARE SAFE AND EASY TO USE

- Disposable
- Safe and easy to use
- Gamma sterilized

Description	Capacity	Cat. No.
Conical	15 ml	47732-446

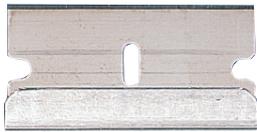


VWR® ABSORBENT PADS

DESIGNED TO SOAK UP LIQUIDS, OILS, AND COMMON SOLVENTS, ABSORBENT PADS PROVIDE AN EXCELLENT ALTERNATIVE TO PAPER TOWELS AND GAUZE

- Strong, highly-absorbent, and lint-free
- Efficient alternative to paper towels and gauze

W×L	Cat. No.
30.5 x 30.5 cm (12 x 12")	95057-860



VWR® RAZOR BLADES

SINGLE-EDGE INDUSTRIAL RAZOR BLADES ARE MACHINE-HONED FROM HARD CARBON STEEL, THEN WRAPPED INDIVIDUALLY TO PROTECT USERS

- Single-edged design
- Hard carbon steel construction
- Individually wrapped

Thickness	Cat. No.
0.22 mm (0.009")	55411-050

VWR® POP UP RAZOR BLADE DISPENSER AND RAZOR REFILL CARTRIDGES

EASY DISPENSING WITH SAFE BLADE STORAGE



- Reduce injuries
- Heavy-duty design with nonskid, heavy bottom
- Flip-open front enables easy cartridge loading and removal
- In-use blade holder included

Description	Material	Cat. No.
Refill Cartridges		
VWR® 3 Facet Refill Cartridge, Uncoated, Steel Backed, Washed Blades	Stainless Steel	10835-977



VWR® SPECIMEN CONTAINERS, POLYPROPYLENE WITH POLYETHYLENE CAPS

DURABLE, TRANSLUCENT CONTAINERS MAY BE USED FOR STORAGE OR TRANSPORT OF MOST LIQUID OR SOLID SPECIMENS

- Suitable for storage and transport of liquids or solids
- Avoirdupois and metric unit graduations
- Translucent
- Polypropylene body with polyethylene caps

Capacity	Cap color	Cap size	Sterility	Packaging	Cat. No.
133 ml (4.5 oz.)	Purple	57.15 mm	Sterile	Bulk Packed, Peel Pouches	25384-146
133 ml (4.5 oz.)	Purple	57.15 mm	Nonsterile	Sleeves, Containers and Sleeves, Lids	25384-148



VWR® POLYPROPYLENE SPECIMEN CONTAINERS

STURDY, SHATTER-RESISTANT CONTAINERS ARE MANUFACTURED FROM TRANSPARENT POLYPROPYLENE TO ALLOW CONSTANT SAMPLE VIEWING

- Sturdy, shatter-resistant design
- Transparent siding
- Polypropylene construction
- Available in nonsterile or sterile formats

Description	Capacity	Dimensions	Sterility	Packaging	Cat. No.
Container with Lid	237 ml (8 oz.)	73.7 Dia x 100.5 H mm	Sterile	Individually Wrapped	89125-846



VWR® HDPE MULTIPURPOSE CONTAINERS

TRANSLUCENT CONTAINERS FOR THE STORAGE OF PATHOLOGY, INDUSTRIAL, AND ENVIRONMENTAL SAMPLES

- HDPE construction
- Chemical-resistant
- Translucent siding

Capacity	Dimensions	Cat. No.
946 ml (32 oz.)	11.4dia. x 12H cm (4½ x 4¾")	89009-668

VWR® SPECIMEN CONTAINERS WITH DUAL CLICK

DUAL CLICK DESIGN FEATURES TWO AUDIBLE AND TACTILE "CLICKS" TO LET THE USER KNOW THE LID IS PROPERLY SECURED

- Virgin medical grade propylene construction
- Audible and tactile clicks ensure a secure seal
- Available in sterile and nonsterile formats



Capacity	Cap color	Cap size	Sterility	Cat. No.
Sterile Containers				
120 ml	Green	53 mm Dia.	Sterile	10803-990



VWR® ACRYLIC WASTE CONTAINERS

IDEAL FOR KEEPING SHARP OBJECTS AND LIQUID WASTE CONTAINED IN THE EVENT OF WASTE BOX LEAKAGE

- Thick acrylic containers can hold radioactive waste
- Clear casing permits easy visibility of warning insignias or biohazard tags
- Ideal for containing sharp objects and liquid waste in the event of waste box leakage

Description	Model	HxWxD	Cat. No.
Medium Waste Container	Table Top	21.6 x 11.4 x 10.2 cm (8½ x 4½ x 4")	89030-152



VWR® LABORATORY BENCH AND TABLE PROTECTORS WITH LEAKPROOF MOISTURE BARRIER

THESE SUPER ABSORBENT BENCH PROTECTORS FEATURE A TWO-LAYER, CUSHIONED CONSTRUCTION THAT IS IDEAL FOR USE IN A LABORATORY OR VETERINARY SETTING

- Two layers of protection
- Leakproof backsheets
- For laboratory and veterinary applications
- Sold in rolls or as mats
- Can be cut to desired size

Description	WxL	Cat. No.
Roll	50.8 cm x 91.5 m (20" x 300')	89126-792



VWR® ABSORBENT UNDERPADS WITH WATERPROOF MOISTURE BARRIER

SUPER ABSORBENT UNDERPADS FEATURE A MULTI-LAYER, CUSHIONED CONSTRUCTION THAT IS BREATHABLE YET ABSORBENT ENOUGH FOR HOSPITAL AND LABORATORY USE

- Three-layers of absorbent material
- Soft white spunbound polypropylene top sheet
- Super absorbent polymer made of cellulose
- Sealed on four sides to prevent liquid seepage

WxL	Absorbency	Backing color	Cat. No.
Deluxe Absorbent Underpads			
43.2 x 61 cm (17 x 24")	340 ml	Blue	56616-018



VWR® SELF-SEAL STERILIZATION POUCHES

MADE OF SURGICAL-GRADE PAPER AND BLUE POLYPROPYLENE/POLYESTER FILM

- Easy-to-open closure
- Color-coded indicators on each pouch
- Sterilizable by steam or ETO

Dimensions	Cat. No.
30.5 x 45.7 cm (12 x 18")	89140-804



VWR® AUTOCLAVABLE BAGS, NONHAZARDOUS WASTE

INTENDED FOR USE IN AUTOCLAVING NONHAZARDOUS WASTE AND CONSTRUCTED OF HIGH-INTEGRITY POLYPROPYLENE, THESE BAGS CAN WITHSTAND AUTOCLAVING TEMPERATURES UP TO 135°C (275°F)

- High-integrity polypropylene
- Superior tear resistance
- Welded seals

WxH	Cat. No.
63.5 x 88.9 cm (25 x 35")	14220-042



VWR® AUTOCLAVABLE POLYPROPYLENE BAGS

TRANSPARENT 2 MM THICK POLYPROPYLENE BAGS ARE SUITABLE FOR AUTOCLAVING HAZARDOUS AND NONHAZARDOUS MATERIALS AND WASTE

- Meet strength requirements in ASTM D 1709-04 for 165g dart drop test
- Can withstand autoclaving temperatures up to 135°C (275°F)

WxH	Cat. No.
61 x 91.4 cm (24 x 36")	95042-558



Avantor can help support your clinical trial management

We can help streamline clinical trial processes, improve efficiency and productivity and shorten time to market for your discoveries. We make sure you have the right tools delivered in convenient kits, get the right ancillary supplies and equipment to new geographies and emerging markets, and store your samples and data securely—all within strict international regulations and timelines.

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VWR® AUTOCLAVABLE BIOHAZARD BAGS

DOUBLE-THICK BAGS ARE IDEAL FOR STERILIZING ANIMAL CAGES AND OTHER OBJECTS WITH SHARP CORNERS

- High-integrity polypropylene
- Available with temperature indicator
- Resists punctures, tears and leaks

Thickness	WxH	Cat. No.
Orange Bags with Indicator		
2 mil	63.5 x 88.9 cm (25 x 35")	14220-052



VWR® SHARPS CONTAINER SYSTEMS, MULTIPLE COLORS AND STYLES

SAFE AND EFFECTIVE CONTAINMENT AND DISPOSAL OF CONTAMINATED NEEDLES, SYRINGES, AND OTHER SHARPS

- Puncture-resistant
- Autoclave-safe and incinerator-safe
- Transparent, locking lids
- Needle removal ports

Capacity	Dimensions	Color	Style	Cat. No.
8 gal.	28.6Wx28.6Dx34.9H cm (11.25Wx11.25Dx14"H)	Red	Stackable	19001-010



THERAPAK® 95KPA TRANSPORT BAGS

TWO-POCKET SPECIMEN BAGS ARE IDEAL TO USE AS A SECONDARY WATERTIGHT RECEPTACLE IN ACCORDANCE WITH DOT AND IATA REGULATIONS FOR SHIPPING BIOLOGICAL SUBSTANCES

- Exclusive leak-resistant seal
- Specimen tube and absorbent materials can be securely sealed within the front pocket of the bag
- Back pocket is designed to hold a requisition form

Description	Dimensions	Cat. No.
95kPa Two-Pocket Bag with Absorbent Pad	7 x 11"	89170-948



THERAPAK® COMPACT REFRIGERATED CATEGORY B SHIPPING SYSTEMS

IDEAL SOLUTION TO MEET THE DEMANDS OF MEDICAL AND CLINICAL SPECIMEN SHIPPING

- Easy to use
- Category B certified
- Ship up to six 10 ml or smaller Blood Tubes
- 95 kPa pressure rated secondary packaging
- Complete shipping system

Description	Cat. No.
Cat. B Refrigerated Shipper with EHS Labels & 95kPa Bag	76203-686

Lab essentials

Plasticware

SEROLOGICAL PIPETS

PLASTIC BOTTLES

CARBOYS

CENTRIFUGE &
MICROCENTRIFUGE
TUBES

PCR PLASTICS

CELL CULTURE PLASTICS

CRYO STORAGE

Glassware

DISPOSABLE CULTURE
TUBES

FLASKS

BOTTLES

Liquid Handling

PIPETTORS

PIPET TIPS

Filtration

BOTTLE TOP FILTERS

FILTER PAPER





VWR® DISPOSABLE SEROLOGICAL PIPETS, POLYSTYRENE, STERILE, PLUGGED
MANUFACTURED FROM POLYSTYRENE AND ARE SUPPLIED STERILE AND PLUGGED

- Calibrated to deliver
- Color-coded for quick identification
- Equipped with ascending, descending, and negative graduations

Capacity	Diameter	Length	Color code	Graduations	Negative graduations	Subdivisions	Packaging	Cat. No.
2 ml	6.48 mm	279 mm	Green	0.01 ml	-0.20 ml	0.01 ml	Individually Wrapped in Paper/Plastic	76093-882
5 ml	8.01 mm	347 mm	Blue	0.10 ml	-2.5 ml	0.1 ml	Individually Wrapped in Paper/Plastic	89130-896
10 ml	9.52 mm	344 mm	Orange	0.10 ml	-3 ml	0.1 ml	Individually Wrapped in Paper/Plastic	89130-898
25 ml	14.36 mm	344 mm	Red	0.20 ml	-10 ml	0.20 ml	Individually Wrapped in Paper/Plastic	89130-900
50 ml	17.92 mm	370 mm	Purple	0.50 ml	-10 ml	0.5 ml	Individually Wrapped in Paper/Plastic	89130-902



VWR® DISPOSABLE SEROLOGICAL PIPETS, PREMIUM LINE
POLYSTYRENE, TRANSPARENT AND GRADUATED

- DNase/RNase-free, non-pyrogenic, non-cytotoxic, non-haemolytic
- Graduations are calibrated for accurate dispensing to within ±2%
- Color-coded according to volume
- Sterile pipets are sterilized by irradiation
- Pipets meet BST/TSE requirements; latex-free
- Every product is printed with a batch number for traceability

Capacity	Color code	Graduations	Sterility	Packaging	Cat. No.
Individually Wrapped in Paper/Plastic					
10 ml (short)	Orange	0.2 ml	Sterile	Individually Wrapped in Paper/Plastic	76204-736
25 ml (short)	Red	0.5 ml	Sterile	Individually Wrapped in Paper/Plastic	76204-738

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VWR® SQUARE PETG MEDIA BOTTLES

STERILE MEDIA BOTTLES ARE MANUFACTURED FROM EASTAR™ PETG, THE RESIN OF CHOICE FOR SINGLE USE LABWARE

- PETG resin construction
- Sterile
- Graduated markings
- Sterilized via gamma radiation

Capacity	Height	Neck O.D.	Outer diameter	Cap size	Cat. No.
Bottles with Standard Caps					
250 ml (8.5 oz.)	141 mm	34.5 mm	61 mm	38-430	89132-060
500 ml (16.9 oz.)	172 mm	34.5 mm	73.8 mm	38-430	89132-058
1 L (33.8 oz.)	213 mm	34.5 mm	92 mm	38-430	89132-056



VWR® SQUARE PET MEDIA BOTTLES, STERILE

DESIGNED FOR PACKAGING, STORING, OR TRANSPORTING POWDER AND LIQUID SAMPLES

- Square design allows efficient use of storage space
- PET resin is lightweight, break-resistant, and transparent
- Bottles feature molded-in graduations
- EB Sterilization Sterility Assurance Level (SAL) of 10⁻⁶ (ISO11137)
- Non-pyrogenic

Capacity	Neck I.D.	Outer diameter	Cap color	Color	Sterility	Packaging	Cat. No.
Sterile, Tray Packed Bottles							
500 ml	29 mm	77.2 mm	White	Transparent	Sterile	24/Tray, 2 Trays/Case	76302-838
1000 ml	29 mm	93 mm	White	Transparent	Sterile	24/Tray, 2 Trays/Case	76302-840



VWR® LABORATORY BOTTLES, HIGH-DENSITY POLYETHYLENE

TRANSLUCENT, RIGID BOTTLES ARE FOR GENERAL LABORATORY USE AND FOR STORING, SHIPPING, AND PACKING LIQUIDS

- Excellent chemical resistance
- Durable for long-term use
- High-density polyethylene construction
- Translucent siding

Description	Capacity	Cap size	Cat. No.
Narrow Mouth Bottles	250 ml (8.5 oz.)	24-410	414004-157
Narrow Mouth Bottles	500 ml (16.9 oz.)	28-410	414004-158



VWR® LABORATORY BOTTLES, AMBER HIGH-DENSITY POLYETHYLENE, NARROW MOUTH

IDEAL FOR GENERAL LABORATORY USE AND FOR STORING, SHIPPING, AND PACKING LIQUIDS, ESPECIALLY LIGHT-SENSITIVE MATERIALS OR PHOTSENSITIVE SAMPLES

- Amber coloring protects light-sensitive contents
- High-density polyethylene fabrication
- Excellent chemical resistance

Capacity	Cap size	Cat. No.
250 ml (8.5 oz.)	24-410	414004-166
1 L (33.8 oz.)	38-430	414004-168



VWR® LABORATORY BOTTLES, POLYPROPYLENE, WIDE MOUTH

SPECIMEN BOTTLES ARE FOR GENERAL LABORATORY USE, ESPECIALLY WHERE STERILIZATION IS NECESSARY

- Ideal for specimens and chemicals
- Can be used as animal water bottles
- Autoclavable
- Leakproof
- Easy-to-pour wide mouth design

Capacity	Diameter xH	Cap size	Cat. No.
250 ml (8.5 oz.)	62 x 128 mm	43 mm	414004-125
500 ml (16.9 oz.)	73 x 164 mm	53 mm	414004-126



VWR® TRACECLEAN® WIDE MOUTH PACKERS, HDPE

DESIGNED FOR THE COLLECTION OF WATER SAMPLES FOR TESTING METALS AND A VARIETY OF INORGANIC ANALYTES SUCH AS CYANIDE, SULFIDE, SULFATE, CHLORIDE, AND ION CHROMATOGRAPHY ANALYTES

- HDPE construction
- Wide-mouthed design
- Supplied with polyfoam-lined caps

Description	Capacity	Cap size	Cat. No.
Processed (PC)	946 ml (32 oz.)	53-400	89095-047
Quality-Assured (QA)	500 ml (16.9 oz.)	53-400	89095-043



VWR® RECTANGULAR BOTTLES, HIGH-DENSITY POLYETHYLENE, WIDE MOUTH

SPACE-SAVING, LEAKPROOF BOTTLES ARE FOR SAMPLING, STORAGE, OR SHIPMENT OF DRY CHEMICALS OR LIQUIDS

- Sturdy construction
- Space-saving design
- Leakproof
- HDPE fabrication

Capacity	Dimensions	Cap size	Cat. No.
500 ml (16.9 oz.)	14 x 9.4 x 5.8 cm (5½ x 3¾ x 2¼")	48-415	414004-193
1 L (33.8 oz.)	18 x 12.5 x 7.1 cm (7 x 5 x 2¾")	53-415	414004-194



VWR® ROUND CARBOY, NARROW MOUTH

USE FOR STORING SOLUTIONS AND MEDIA – IDEAL FOR STERILE WATER STORAGE

- Non-sterile
- Polypropylene, LDPE, and HDPE formats available
- Excellent chemical resistance
- Clear graduation marks
- Narrow-mouth
- Feature an integrated shoulder handle

Description	Material	Capacity	Neck I.D.	Cap size	Sterility	Cat. No.
Round Carboy without Spigot, Narrow Mouth	HDPE	10 L (2.6 gal.)	65 mm	83 mm	Nonsterile	10755-098
Round Carboy without Spigot, Narrow Mouth	Polypropylene	10 L (2.6 gal.)	65 mm	83 mm	Nonsterile	10755-086



VWR® ROUND CARBOY WITH SPIGOT, NARROW MOUTH

USE FOR STORING AND DISPENSING SOLUTIONS AND MEDIA. IDEAL FOR STERILE WATER STORAGE

- Non-sterile
- Polypropylene, LDPE, and HDPE formats available
- Excellent chemical resistance
- Clear graduation marks
- Narrow-mouth
- Feature an integrated shoulder handle

Description	Material	Capacity	Neck I.D.	Cap size	Sterility	Cat. No.
Round Carboy with Spigot, Narrow Mouth	Polypropylene	10 L (2.6 gal.)	65 mm	83 mm	Nonsterile	10755-090
Round Carboy with Spigot, Narrow Mouth	Polypropylene	20 L (5.3 gal.)	65 mm	83 mm	Nonsterile	10755-118



VWR® RECTANGULAR CARBOY WITH SPIGOT, WIDE MOUTH

USE FOR STORING AND DISPENSING SOLUTIONS AND MEDIA – IDEAL FOR STERILE WATER STORAGE

- Non-sterile
- Polypropylene and HDPE formats available
- Clear graduation marks
- Excellent chemical resistance
- Wide mouth
- Heavy duty stainless steel handle for easy carrying and pouring

Description	Material	Capacity	Neck I.D.	Cap size	Sterility	Cat. No.
Carboy 10L Rectangular Spigot - HDPE	HDPE	10 L (2.6 gal.)	85 mm	100 mm	Nonsterile	10755-094
Carboy 10L Rectangular Spigot - PP	Polypropylene	10 L (2.6 gal.)	85 mm	100 mm	Nonsterile	10755-096



VWR® HIGH-PERFORMANCE CENTRIFUGE TUBES WITH FLAT OR PLUG CAPS, POLYPROPYLENE

DISPOSABLE CONICAL-BOTTOM AND FREESTANDING TUBES FEATURE BLACK PRINTED GRADUATIONS AND SMOOTH INNER WALLS FOR EASY FILLING AND SAMPLE PREPARATION

- Easy-to-read black graduations in ±2% increments
- White printed writing area for permanent coding
- RNase-, DNase-, and endotoxin-free
- Autoclavable (121 °C) and freezable (-80 °C)
- Can be centrifuged up to 12500 ×g
- Sterile tubes are sterilized by irradiation

Volume	Max. rcf	Cap type	Sterility	Packaging	Cat. No.
Conical-Bottom Centrifuge Tube with Flat Cap					
50 ml	12,500 g	Flat	Sterile	25/Rack, 2 Racks/Pack, 10 Packs/Case	89039-658
50 ml	12,500 g	Flat	Sterile	50/Bag, 10 Bags/Case	89039-656
15 ml	12,500 g	Flat	Sterile	25/Rack, 2 Racks/Pack, 10 Packs/Case	89039-666
15 ml	12,500 g	Flat	Sterile	50/Bag, 10 Bags/Case	89039-664
Conical-Bottom Centrifuge Tube with Plug Cap					
50 ml	12,500 g	Plug	Sterile	25/Rack, 2 Racks/Pack, 10 Packs/Case	89039-662
50 ml	12,500 g	Plug	Sterile	50/Bag, 10 Bags/Case	89039-660
15 ml	12,500 g	Plug	Sterile	50/Bag, 10 Bags/Case	89039-668
15 ml	12,500 g	Plug	Sterile	25/Rack, 2 Racks/Pack, 10 Packs/Case	89039-670

VWR® DISPOSABLE MICROCENTRIFUGE TUBES

THESE TUBES ARE MADE FROM USP CLASS VI PP

- Amber coloured for light-sensitive substances
- RNase-, DNase-, and endotoxin-free
- Engraved graduations ensure accuracy
- Caps can be penetrated by a syringe and will not pop open during centrifuging



Volume	Color	Sterility	Style	Cat. No.
0.5 ml	Assorted	Nonsterile	Conical-Bottom	89000-026
1.5 ml	Assorted	Nonsterile	Conical-Bottom	89000-044
2 ml	Assorted	Nonsterile	Conical-Bottom	20170-098

VWR® MICROCENTRIFUGE TUBES, LOW-BINDING

LOW ADHESION SURFACE WHICH PROVIDES MINIMAL TO LOW BINDING

- Leak proof snap caps
- Autoclavable
- Graduated markings



Volume	Cap type	Color	Sterility	Cat. No.
1.5 ml (max. 1.7 ml)	Boil-Proof	Natural	Non sterile	76332-068
2.0 ml (max. 2.0 ml)	Boil-Proof	Natural	Non sterile	76332-058

VWR® SCREW CAP MICROTUBES

TO SECURELY STORE IMPORTANT SAMPLES AND REAGENTS



- All tubes are manufactured from ultra-pure PP
- High-clarity tubes provide excellent visibility to the sample
- O-ringed flat caps feature a 3/4 turn to open or close
- Wide temperature range to meet a wide variety of applications: -196 to +121 °C, but not suitable for immersion in liquid nitrogen
- Sterile assemblies or handy, non sterile combo packs are available

Format	Volume	Max. rcf	Cap color	Cap type	Color	Graduations	Sterility	Cat. No.
Screw Cap Microtubes - Sterile Assemblies with Flat Caps								
Conical	1.5 ml	20000×g	Clear	Flat	Clear	Yes	Sterile	76417-208
Freestanding	1.5 ml	20000×g	Clear	Flat	Clear	No	Sterile	76417-210
Conical	2.0 ml	20000×g	Clear	Flat	Clear	Yes	Sterile	76417-212
Freestanding	2.0 ml	20000×g	Clear	Flat	Clear	Yes	Sterile	76417-214

VWR® MICROCENTRIFUGE TUBES WITH SOCKET SCREW-CAP

CLEAR HIGH GRADE GAMMA RESISTANT PP TUBES ARE IDEAL FOR SAMPLE PROCESSING APPLICATIONS



- Autoclavable at 121 °C and freezable to -80 °C, and excellent for frozen storage
- Caps accept color coded inserts, and easily write on the frosted side of insert
- O-rings are made from silicone to insure a leakproof seal
- RNase-, DNase-, and endotoxin-free
- Sterile tubes are sterilized by irradiation

Volume	Max. rcf	Cap color	Cap type	Color	Graduations	Sterility	Style	Cat. No.
Sterile tubes with attached natural colour caps								
1.5 ml	20,000 g	Green	Screw Cap	Clear	Yes	Sterile	Conical-Bottom	89004-290
1.5 ml	20,000 g	Green	Screw Cap	Clear	Yes	Sterile	Freestanding	89004-294
2 ml	20,000 g	Green	Screw Cap	Clear	Yes	Sterile	Conical-Bottom	89004-298
2 ml	20,000 g	Green	Screw Cap	Clear	Yes	Sterile	Freestanding	89004-302

VWR® 5 ML MACROTUBES™

THE PERFECT TUBES FOR INTERMEDIATE VOLUMES



- Uniform wall thickness
- Appropriate for storage from -86 to 100°C
- Color-code samples for easy identification
- RNase-, DNase-, Pyrogen-, and Cytotoxin-free
- Snap-cap or screw-cap available

Description	Dimensions	Max. rcf	Sterility	Packaging	Cat. No.
Snap Cap Tube					
Natural Colored Tubes	16 x 55 mm	25,000 g	Nonsterile	4 Bags of 50 Tubes	470225-006
Screw Cap Tube					
Natural Colored Tubes	16 x 64 mm	25,000 g	Sterile	10 racks of 50 Tubes	470225-028



VWR® PCR 8-WELL TUBE STRIPS

IDEAL FOR ALL PCR PROTOCOLS, THESE 0.1 AND 0.2 ML TUBES AND CAPS ARE MADE FROM POLYPROPYLENE AND ARE COMPATIBLE WITH MOST POPULAR THERMAL CYCLER BLOCKS

- Tubes and caps are chemically inert and autoclavable
- Smooth, thin, uniform walls for accurate thermal transfer
- Caps fit precisely to ensure a positive, contamination-free environment

Description	Format	Volume	Cap type	Color	Cat. No.
VWR® 8-Strip PCR and qPCR Tube Strips with Individually-Attached Caps					
Tube strips with individually attached bubble caps	Strip	0.2 ml	Domed	Natural	53509-304
Tube strips with individually attached flat caps	Rigid strip	0.2 ml	Flat (qPCR)	Natural	76318-798
VWR® 8-Strip PCR and qPCR Tube Strips with Hinged Caps					
Tube strips with attached bubble cap strips	Strip	0.2 ml	Domed	Natural	82006-606
Tube strips for real time PCR with attached hinged strip caps	Strip	0.2 ml	Flat (qPCR)	Natural	89096-722



VWR® 96-WELL PCR AND REAL TIME PCR PLATES

POLYPROPYLENE PCR PLATES ARE COMPATIBLE WITH MOST THERMAL CYCLERS AND ARE IDEAL FOR HIGH-THROUGHPUT SCREENING THERMOCYCLER APPLICATIONS

- Smooth, thin, uniform well walls ensure accurate thermal transfer
- Wells are slightly raised to accommodate sealing mats, films, and foil
- Printed alphanumeric labeling simplifies plate and sample identification (raised well plates do not feature printed alphanumeric labels)
- All plates are autoclavable and certified free of RNase, DNase, and human DNA (lot-by-lot certificates available)

Working well volume	No. of wells	Color	Cat. No.
Flat Plates			
200 µl	96	Natural	76402-848
Half-Skirted, Low-Profile Plates			
200 µl	96	Natural	82006-664
Skirted Plates			
200 µl	96	Natural	82006-704



VWR® 384-WELL PCR PLATES

POLYPROPYLENE PCR PLATES ARE COMPATIBLE WITH MOST THERMAL CYCLERS AND ARE IDEAL FOR HIGH-THROUGHPUT SCREENING THERMOCYCLER APPLICATIONS

- Smooth, thin, uniform well walls ensure accurate thermal transfer
- Wells are slightly raised to accommodate sealing mats, films, and foil
- Autoclavable

Description	Total Volume	Color	Cat. No.
PCR Plate	30 µl	Natural	82006-678
PCR Plate for ABI® Thermocyclers	30 µl	Natural	89218-294



VWR® 96-WELL DEEP-WELL PLATES WITH AUTOMATION NOTCHES

SQUARE WELLS, PRINTED ALPHANUMERIC LABELING, AND SMOOTH INTERIOR SURFACES TO ENSURE THAT ALL THE SAMPLES CAN BE PIPETTED

- Bold alphanumeric indexing
- Square well with V-bottom design
- Autoclavable
- Freezable to -80 °C (-112 °F)

Material	Volume	Color	Sterility	Well bottom shape	Cat. No.
Polypropylene	1.1 ml	Natural	Sterile	Square V	76330-002
Polypropylene	2.2 ml	Natural	Sterile	Square V	76329-998



VWR® 96-WELL DEEP WELL MICROPLATES, EXTRACTABLE-FREE

HIGH-QUALITY, DEPENDABLE DEEP-WELL BLOCKS FOR STORAGE AND COLLECTION, LC-MS, SPE, AND MIXING

- Guaranteed extractable-free
- Gamma irradiated
- Ready-to-use
- For assured assays
- DNase-free and RNase-free

Description	Well volume	Well volume	Sterility	Well bottom shape	Well shape	Cat. No.
96-Well Deep Well Microplates	2 ml	2 ml	Nonsterile	Pyramid	Square	75870-792
96-Well Deep Well Microplates	2 ml	2 ml	Sterile	Pyramid	Square	75870-796



VWR® CELL CULTURE FLASKS

VACUUM GAS PLASMA TREATED FOR CONSISTENT CELL ATTACHMENT AND GROWTH

- Made of crystal clear virgin polystyrene
- Sterile and certified non-pyrogenic
- Volume graduations on both sides with special writing area
- Choice of vented or plug seal caps

Capacity	Cap type	Culture area	Packaging	Cat. No.
25 ml	vented cap	12.5 cm ²	10/bag	10062-868
25 ml	Standard	12.5 cm ²	10/bag	10062-870
850 ml	vented cap	300 cm ²	3/bag	10062-884



VWR® MULTIWELL CELL CULTURE PLATES

PLASMA TREATED FOR CONSISTENT CELL ATTACHMENT AND GROWTH

- Clear polystyrene, sterile, certified non-pyrogenic
- Well volume uniformity ensures uniform growth surface area exposure
- Single-position lid reduces misplacement and the risk of contamination
- Designed with alphanumeric code for easy well identification

Well volume	Well volume	Working well volume	No. of wells	Cell growth area	Surface treatment	Cat. No.
17.0 ml	17.0 ml	1.90 - 2.90 ml	6	9.6 cm ²	Treated	10062-892
6.80 ml	6.80 ml	0.76 - 1.14 ml	12	3.85 cm ²	Treated	10062-894
3.50 ml	3.50 ml	0.38 - 0.57 ml	24	1.93 cm ²	Treated	10062-896
0.39 ml	0.39 ml	0.075 - 0.20 ml	96 F	0.33 cm ²	Treated	10062-900
0.127 ml	0.127 ml	10 - 100 µL	384	0.1135 cm ²	Treated	10814-226



VWR® CELL SCRAPERS

SPECIFICALLY DESIGNED TO MAKE COLLECTING OF CELLS EASIER AND MORE EFFECTIVE

- Cross-ribbed handle in ABS provides a greater rigidity and ensures a better control while scraping cells
- Thin, flexible TPE blade prevents damage to cells
- Individually wrapped
- Sterilized by electron beam irradiation
- Non pyrogenic

Description	Blade width	Overall length	Cat. No.
Cell Scraper for Flasks	20 mm	250 mm	10062-904
Cell Scraper for Dishes, Lifter Blade Position	20 mm	250 mm	10062-906



VWR® DISPOSABLE PETRI DISHES

HIGH-QUALITY PETRI DISHES ARE MANUFACTURED FROM VIRGIN CRYSTAL GRADE POLYSTYRENE FOR OPTIMUM FLATNESS AND HIGH OPTICAL CLARITY

- Virgin crystal grade polystyrene construction
- Available in varied sizes and styles for specialized and routine applications
- Stacking ring and slip-ring features available
- Supplied sterile

Description	Diameter xH	Packaging	Cat. No.	Unit
Fully Stackable (EO Sterilization)	60 x 15 mm	20/Bag	25384-168	Case of 500
Anaerobic, Slippable (EO Sterilization)	60 x 15 mm	20/Bag	25384-166	Case of 500
Fully Stackable	100 x 15 mm	20/Bag	25384-342	Case of 500



VWR® CRYOGENIC VIALS, INTERNALLY OR EXTERNALLY THREADED

DESIGNED FOR STORING BIOLOGICAL MATERIAL, HUMAN OR ANIMAL CELLS AT TEMPERATURES AS LOW AS -196°C, BUT SHOULD BE USED ONLY IN THE GAS PHASE OF LIQUID NITROGEN

- Internal or external threaded closure options available
- White marking area and printed graduations on all vials
- Sterilized by gamma radiation

Description	Capacity	O.D. x H	Sterility	Cat. No.
Internally Threaded with Washer				
Round Bottom Vials with Silicone Washer Seal Cap	2 ml	12.5 x 48 mm	Sterile	10018-750
Self-Standing Vials with Silicone Washer Seal Cap	2 ml	12.5 x 49 mm	Sterile	10018-760
Internally Threaded with Red O-Ring				
Round Bottom Vials with Silicone O-Ring Seal Cap	2 ml	12.5 x 48 mm	Sterile	10018-748
Self-Standing Vials with Silicone O-Ring Seal Cap	2 ml	12.5 x 49 mm	Sterile	10018-758
Externally Threaded with Lip and Washer Seal				
Round Bottom with Lip Seal and Silicone Washer Seal	2 ml	12.5 x 47 mm	Sterile	10018-742
Self-Standing with Lip Seal and Silicone Washer Seal	2 ml	12.5 x 49 mm	Sterile	10018-752



VWR® CRYOPRO® FIBERBOARD STORAGE BOXES AND DIVIDERS

BOXES AND DIVIDERS ARE CONSTRUCTED OF DURABLE FIBERBOARD WITH A PROTECTIVE, MOISTURE-REPELLANT COATING

- Durable fiberboard construction with a protective, moisture-repellant coating
- Available with or without slots or dividers

Description	Cell dimensions	LxWxH	No. of cells	Cat. No.
Liquid Nitrogen Cryogenic Freezer Boxes with Drain Slots				
2" Cryogenic box with drain slots and grids, 81 cell divider	1.3 cm (0.53")	13.2 x 13.2 x 5.1 cm (5 ¹ / ₈ x 5 ¹ / ₈ x 2")	81	97014-322
Mechanical Cryogenic Freezer Boxes with Dividers				
2" Mechanical Cryogenic box, no drain slots, with grids, 81 cell divider	1.3 cm (0.53")	13.2 x 13.2 x 5.1 cm (5 ¹ / ₈ x 5 ¹ / ₈ x 2")	81	82007-162



VWR® CRYO BOXES

CRYO BOXES ARE SUITABLE TO STORE UP TO -186°C

- Available in a variety of color options
- Grid option for coding on lid
- Clear lid material

For vials	WxLxH	Color	No. of places	Cat. No.
1-2 ml	75.6 x 75.6 x 51.8 mm	Mixed	25	89236-032
1-2 ml	132.0 x 132.0 x 53.0 mm	Mixed	81	89236-044



VWR® MICROTUBE RACKS, 96-PLACE

DOUBLE-SIDED RACKS HOLD 1.7 AND 2.0 ML TUBES ON ONE SIDE AND 0.5 ML TUBES ON THE REVERSE SIDE

- Rack for use with 0.5, 1.7, and 2.0 ml microcentrifuge tubes and 2.0 ml cryogenic storage vials
- Rack and clear cover (sold separately) are autoclavable and freezable

For tubes	Dimensions	Color	Cat. No.
96x1.5/2.0 ml and 96x0.5 ml	213x113x27 mm	Natural	76333-304
96x1.5/2.0 ml and 96x0.5 ml	213x113x27 mm	Standard blue, green, red, violet, yellow	76337-380



VWR® CULTURE TUBES, DISPOSABLE, BOROSILICATE GLASS

RESISTANT TO CHEMICAL ATTACK AND WEATHERING

- Chemically inert
- High heat tolerance
- Uniform dimensions
- Convenient dispensing packages

O.D.xL	Overflow volume	Cat. No.
12 x 75 mm	5 ml	47729-570
13 x 100 mm	9 ml	47729-572
16 x 100 mm	14 ml	47729-576



VWR® VIALS, BOROSILICATE GLASS, WITH PHENOLIC SCREW CAP

GENERAL-PURPOSE VIALS ARE AVAILABLE IN EITHER A SHORT FORM OR CAPSULE STYLE

- Borosilicate glass fabrication
- Short form or capsule style
- Cap is flush to vial shoulder
- Black phenolic molded screw cap
- Polyvinyl-faced pulp liner
- General-purpose use

Capacity	O.D.xH	Cap size	Cat. No.
Short Form Style			
3.70 ml	15 x 45 mm	13-425	66011-041
7.39 ml	17 x 60 mm	15-425	66011-085



VWR® SCINTILLATION VIALS, BOROSILICATE GLASS, WITH SCREW CAPS

SCINTILLATION VIALS FIT ALL STANDARD COUNTING EQUIPMENT FOR LIQUID SCINTILLATION SYSTEMS

- Borosilicate glass construction
- Fit all standard counting equipment
- Choose attached or unattached caps

Description	Capacity	Diameter xH	Cap size	Cat. No.
With Attached Polypropylene Cap and Pulp Foil Liner	20 ml	28 x 61 mm (with Cap)	22-400	66022-060



VWR® FILTERING FLASKS, HEAVY WALL, GRADUATED

FEATURING A HEAVY WALL CONSTRUCTION, FLASK COMES WITH A GLASS HOSE CONNECTOR AND IS SUITABLE FOR VACUUM FILTRATION IN A LABORATORY

Capacity	Stopper size	Graduation interval	Graduation range	Tubing size	Cat. No.
1000 ml	8	50 ml	300-1000 ml	8 mm I.D.	10545-858
2000 ml	9	100 ml	800-2000 ml	8 mm I.D.	10545-860
4000 ml	12	250 ml	1000-4000 ml	17 mm I.D.	10545-862



VWR® TRACECLEAN® TOC-FREE VIALS

DEAL FOR PHARMACEUTICAL APPLICATIONS INCLUDING USP METHOD 643, WATER FOR INJECTION, HIGH PURITY WATER, TRACEABILITY UNDER GOOD MANUFACTURING PRACTICES, CLEANING VALIDATION, CALIBRATION STANDARDS, AND BASIC STORAGE

- TOC-free
- Clear borosilicate glass fabrication
- For use in multiple pharmaceutical applications

Description	Capacity	Cap size	Septa thickness	Cat. No.
Vial, <10 ppb concentration	40 ml	24-414	0.06"	89094-204



VWR® TRACECLEAN® WIDE MOUTH PACKERS, AMBER GLASS

TYPE III (SODA-LIME) GLASS PACKERS

- Soda-lime glass fabrication
- Wide-mouthed design
- Available with solid-top or open-top caps
- Individually numbered for traceability

Description	Capacity	Cap size	Cap type	Cat. No.
Quality-Assured® (QA)	250 ml (8.5 oz.)	45-400	Solid-Top	89094-052
Quality-Assured® (QA)	946 ml (32 oz.)	53-400	Solid-Top	89094-056



VWR® MEDIA/STORAGE BOTTLES WITH GL SCREW CAPS

MEDIA/STORAGE BOTTLES ARE DESIGNED WITH A WIDE OPENING (30 MM INTERNAL DIAMETER) AND A DRIP-FREE POLYPROPYLENE POUR RING

- Very good chemical resistance
- High thermal shock resistance
- Scale graduations
- Autoclavable

Capacity	Diameter	Height	Cap size	Tolerance	Cat. No.
250 ml (8.5 oz.)	70 mm (Bottom Dia.)	138 mm	GL 45	1.5 mm	10754-816
1 L (33.8 oz.)	101 mm (Bottom Dia.)	225 mm	GL 45	1.5 mm	10754-820
5 L (1.3 gal.)	181 mm (Bottom Dia.)	330 mm	GL 45	1.5 mm	10754-824



VWR® CLEAR FRENCH SQUARE BOTTLES

CONFORMS TO USP TYPE III REQUIREMENTS

- Soda-lime glass fabrication
- Available in a variety of package sizes with different closure options

Capacity	Diameter xH	Cap size	Cap type	Color	Liner material	Cat. No.
Convenience Packed with Closures Attached						
125 ml (4 oz.)	45 x 111 mm	33-400	Black Phenolic	Clear	PE Cone	10862-150



VWR® BOSTON ROUND BOTTLES, NARROW MOUTH, CLEAR AND AMBER

SODA-LIME GLASS CONFORMS TO USP TYPE III REQUIREMENTS

- Clear or amber coloring
- Available in a variety of pack sizes
- Narrow mouth

Capacity	Diameter xH	Cap size	Cap type	Color	Liner material	Cat. No.
Convenience Packed with Closures Attached						
500 ml (16 oz.)	75 x 168 mm	28-400	Black Phenolic	Amber	PE Cone	10861-858



VWR® STRAIGHT SIDED JARS, CLEAR AND AMBER

CONFORMS TO USP TYPE III REQUIREMENTS

- Soda-lime glass fabrication
- Clear and amber options
- Straight sides, without shoulders for maximum storage capacity

Capacity	Diameter	Height	Cap size	Cap type	Color	Cat. No.
Convenience Packed with Closures Attached						
60 ml (2 oz.)	55 mm	48 mm	53-400	Black Phenolic with PTFE/LDPE Liner	Clear	10861-068



VWR® LOW FORM GRIFFIN BEAKERS

MADE FROM HIGH QUALITY TYPE 1, CLASS A, 33 EXPANSION BOROSILICATE GLASS

- Double capacity scale
- Uniform wall thickness
- Very good chemical resistance
- High temperature resistance
- Meets ASTM E960, E960-93

Capacity	Height	Graduation range	Cat. No.
250 ml (8.5 oz.)	88 mm (3.46")	25-200 ml	10754-952
600 ml (20 oz.)	122 mm (4.8")	50-500 ml	10754-956



VWR® LTS COMPATIBLE ADJUSTABLE VOLUME PIPETTORS

REDUCE EJECTION FORCE WITH A UNIQUE POSITIVE STOP TECHNOLOGY

- Fully compatible with Rainin LTS tips
- Lighter springs give a more comfortable and controlled draw and dispense
- Constructed with durable lightweight materials
- The ejector is cushioned to reduce dynamic stress on your thumb
- Precision piston design produces accurate and precise measurements with low channel to channel variability in multichannel
- Hitting the positive stop ensures that you've made a secure seal on both single and multichannel, no more guessing or reattaching tips

Volume	Compatible with	Accuracy	Cat. No.
Single Channel Pipettors			
2.0 - 20 µl	LTS compatible pipet tips	±7.5% at 2 µl, ±1% at 20 µl	76335-572
20 - 200 µl	LTS compatible pipet tips	±2.5% at 20 µl, ±0.8% at 200 µl	76335-744
8-Channel Pipettors			
2.0 - 20 µl	LTS compatible pipet tips	±7.5% at 2 µl, ±1% at 20 µl	76382-696
20 - 200 µl	LTS compatible pipet tips	±2.5% at 20 µl, ±0.8% at 200 µl	76382-698
12-Channel Pipettors			
2.0 - 20 µl	LTS compatible pipet tips	±7.5% at 2 µl, ±1% at 20 µl	76382-704
20 - 200 µl	LTS compatible pipet tips	±2.5% at 20 µl, ±0.8% at 200 µl	76382-706



VWR® ELECTRONIC PIPETTORS, SINGLE CHANNEL, VARIABLE VOLUME

PIPETTORS REQUIRE VIRTUALLY NO FORCE TO ASPIRATE AND DISPENSE SAMPLES, SIGNIFIGANTLY REDUCING RSI (REPETITIVE STRAIN INJURY) ASSOCIATED WITH ROUTINE WORK

- Ease-of-use: Only 2 buttons and 5 pipetting modes, including the CUSTOM Mode which creates pipetting protocols easily and rapidly
- Advanced Ergonomics: Lightweight and perfectly balanced, it requires virtually no force to significantly reduce RSI
- Fully Motorized Piston Drive: For an even and regular sample delivery across each channel
- Large Volume Range: 5 single channels (from 0.5µL to 1200µL)
- Use while Charging: VWR® Electronic Pipettors can be used while charging without compromising performance
- VWR® two-year warranty included

Description	Volume	Accuracy	Color code	Increments	Cat. No.
VWR® Single Channel Electronic Pipettor	0.5-10 µL	±2.75% at 1 µL / ±0.88% at 10 µL	Red	0.01 µL	10827-884
VWR® Single Channel Electronic Pipettor	20-300 µL	±2.57% at 30 µL / ± 0.39% at 300 µL	Green	0.1 µL	10827-920
VWR® Single Channel Electronic Pipettor	100-1200 µL	±2.20% at 120 µL / ±0.55% at 1200 µL	Blue	1 µL	10827-922



VWR® ELECTRONIC PIPETTORS, MULTI CHANNEL, VARIABLE VOLUME

PIPETTORS REQUIRE VIRTUALLY NO FORCE TO ASPIRATE AND DISPENSE SAMPLES, SIGNIFICANTLY REDUCING RSI (REPETITIVE STRAIN INJURY) ASSOCIATED WITH ROUTINE WORK

- Ease-of-use: Only 2 buttons and 5 pipetting modes, including the CUSTOM Mode which creates pipetting protocols easily and rapidly
- Advanced Ergonomics: Lightweight and perfectly balanced, it requires virtually no force to significantly reduce RSI
- Fully Motorized Piston Drive: For an even and regular sample delivery across each channel
- Large Volume Range: 10 multichannels (from 0.5µL to 1200µL)
- Use while Charging: VWR® Electronic Pipettors can be used while charging without compromising performance
- VWR® two-year warranty included

Description	Volume	Accuracy	Color code	Increments	Cat. No.
VWR® 8-Channel Electronic Pipettor	10–300 µL	±3.67% at 30 µL / ±0.88% at 300 µL	Green	0.1 µL	10827-928
VWR® 8-Channel Electronic Pipettor	50–1200 µL	±3.67% at 120 µL / ±0.88 at 1200 µL	Blue	1 µL	10827-930
VWR® 12-Channel Electronic Pipettor	50–1200 µL	±3.67% at 120 µL / ±0.88 at 1200 µL	Blue	1 µL	10827-938



VWR SIGNATURE™ ERGONOMIC HIGH PERFORMANCE SINGLE-CHANNEL VARIABLE VOLUME PIPETTORS

ERGONOMIC DESIGN ALLOWS FOR CONSISTENTLY COMFORTABLE PIPETTING EVEN WITH EXTENDED USE

- Superior Accuracy and Precision for Critical Applications
- Reduced Plunger Forces
- Fully Autoclavable
- Volume locking mechanism

Volume	Accuracy	Cat. No.
Single Channel Mechanical Pipettors		
2–20 µL	±3.0–0.8%	89079-964
20–200 µL	±1.2–0.6%	89079-970
100–1000 µL	±1.6–0.6%	89079-974

VWR® Pipet Tip Selector

Choose from a variety of options to refine your search – easily find just the right pipet tip for your needs.

Available pipet tips are designed to fit volumes ranging from 0.1 µl to 1,250 µl and can efficiently draw and deliver required liquids in any application with high levels of accuracy and precision.

Visit vwr.com/tip_selector today!



VWR pipette selector tool

Visit
[vwr.com/pipette](https://www.vwr.com/pipette)
for more
information!

Pipetting is a subtle art: each researcher has their own style and preference in pipettes. That's why you need to be comfortable and find the proper fit. Let us help find the best pipette for you, whether it's from the VWR brand or one of the industry leaders known for their quality and innovation. Our team will be happy to work with you and demonstrate the right product from our broad offering.

Visit [vwr.com/pipette](https://www.vwr.com/pipette) to use the selector tool and find the perfect pipette for you! Try before you buy and request a pipette demo.



VWR SIGNATURE™ ERGONOMIC HIGH PERFORMANCE MULTICHANNEL PIPETTOR

SUPERIOR ACCURACY AND PRECISION FOR REPEATABLY RELIABLE RESULTS

- Updated and improved ergonomic design
- Volumes from 0.5 to 300 µL
- Fully autoclavable

Description	Volume	Accuracy	Cat. No.
8-Channel Pipettor	5–50 µL	±4.0–1.6%	89079-946
8-Channel Pipettor	20–200 µL	±3.0–1.0%	89079-948
12-Channel Pipettor	20–200 µL	±3.0–1.0%	89079-956



VWR® UNIVERSAL PIPET TIPS

VTIPS REPEL LIQUID BY CREATING A HYDROPHOBIC SURFACE ON THE INSIDE OF THE TIP INCREASING YOUR ACCURACY AND DATA QUALITY

- Compatible with the widest range of pipets
- Maximizes sample recovery with low binding resin and a fine point design
- Improves ergonomics by reducing the force required to attach and eject a tip
- Autoclavable at 15 psi, 122 °C for 15 minutes
- Manufactured under an ISO 9001 quality management system

Volume	Length	Sterility	Tip style	Cat. No.
Racked, filtered, sterile				
20 - 200 µL	59.54 mm (2.34")	Pre-sterilized	Standard	76322-150
100 - 1000 µL	81.82 mm (3.22")	Pre-sterilized	Standard	76322-154
100 - 1250 µL	98.40 mm (3.87")	Pre-sterilized	Standard	76322-156
Racked, non-filtered, sterile				
0.5 - 10 µL	45.84 mm (1.81")	Pre-sterilized	Extended	76322-514
20 - 200 µL	50.75 mm (2.00")	Pre-sterilized	Standard	76322-516
100 - 1000 µL	81.82 mm (3.22")	Pre-sterilized	Standard	76322-522
Racked, non-filtered, non-sterile				
20 - 200 µL	50.75 mm (2.00")	Non sterile	Standard	76322-144
100 - 1000 µL	81.82 mm (3.22")	Non sterile	Standard	76322-524
100 - 1250 µL	98.40 mm (3.87")	Non sterile	Standard	76322-526



VWR® VACUUM FILTRATION SYSTEMS, STANDARD LINE

SYSTEMS FOR VACUUM FILTRATION OF AQUEOUS SOLUTIONS INCLUDING CELL CULTURE MEDIA, BUFFERS, OR OTHER BIOLOGICAL FLUIDS

- Polystyrene funnel and collection reservoir
- Each individual unit is lot numbered for traceability
- Solution can be stored in the collection reservoir until needed
- Top filter and bottom collector bottle have engraved graduation
- Designed hose connector can fit multiple hose diameters

Description	Capacity	Membrane diameter	Pore size	Cat. No.
PES Membrane				
Complete Filtration Unit	500 ml	75 mm	0.20 µm	10040-436
Complete Filtration Unit	1000 ml	91 mm	0.20 µm	10040-440



VWR® VACUUM FILTRATION SYSTEMS FEATURING PALL MEMBRANES

DESIGNED FOR THE PREPARATION OF BUFFERS, TISSUE CULTURE MEDIA, MICROBIOLOGICAL MEDIA, AND OTHER BIOLOGICAL FLUIDS

- For the preparation of biological fluids
- Feature Pall membranes
- Compatible with the quick-connect vacuum pedestal for use with existing laboratory stands

Description	Size	Membrane	Pore size	Cat. No.
Full Assembly, Bottle-Top	500 ml	PES	0.2 µm	97066-202
Full Assembly, Bottle-Top	1 L	PES	0.2 µm	97066-204



VWR® GRADE 413 FILTER PAPER, QUALITATIVE

SUITABLE FOR FILTRATION OF ALUMINUM PHOSPHATE, BARIUM CARBONATE, LEAD CHROMATE, AND MORE

- For routine lab work

Size	Cat. No.
4.25 dia. cm	28309-967
9.0 dia. cm	28310-048



VWR® GRADE 415 FILTER PAPER, QUALITATIVE, CREPE

GOOD FOR COARSE PRECIPITATES SUCH AS ALUMINUM HYDROXIDE, COBALT CARBONATE, MERCURY IODIDE, MAGNESIUM HYDROXIDE, AND MORE

- Coarse porosity
- Fast flow rate
- Assorted sizes

Diameter	Cat. No.
7.5 cm	28320-020
15.0 cm	28320-121



VWR® GRADE 410 FILTER PAPER, QUALITATIVE

GRADE 410 FILTER PAPER IS USEFUL IN ANALYTICAL OPERATIONS INVOLVING FILTRATION OF CUPROUS OXIDE, LEAD SULFATE, BARIUM SULFATE, MANGANESE CARBONATE, AND MORE

- Particle Retention: 1 µm
- Fine porosity
- Slow flow rate

Description	Diameter	Cat. No.
VWR Grade 410 Filter Paper	15.0 cm	28321-135
VWR Grade 410 Filter Paper	18.5 cm	28297-826

Safety

SPILL CONTROL PRODUCTS

FIRST AID

ERGONOMIC MATTING

DISPOSAL



Spill control products

We offer multiple options to help keep your areas and workers safe. Use the guide below to understand our spill control product features

	Product Type	Intended Use	VWR Product Series
	General-Purpose Pads and Rolls	Soaks up leaks and spills fast. Can absorb water-based liquids, petroleum products, and solvents	82028-028
	Oil-Only Pads and Rolls	Ideal for catching drips and soaking up spills. Can absorb oil and fuels, but not water. Visual saturation levels.	82028-020
	Hazmat Pads	Great for small spills, lining benches and fume hoods	82028-024
	Hazmat Rolls	Ideal for covering larger areas and soaking up leaks and overspray	82028-026
	Hazmat Pillows	Large surface area and sorbent filler handles large spills quickly	89169-002
	Hazmat Socks	Can shape or mold in areas like corners and walls to absorb and contain liquids from spreading to larger areas	89169-000
	Hazmat Lab Spill Kit	Includes pads, socks, nitrile gloves, safety goggles and water-resistant yellow bag with tie	89168-998



VWR® 10 PERSON FIRST AID KIT, ANSI A

COMPACT 10 PERSON FIRST AID KIT IS IDEAL FOR HOME, CAR, OR SMALL OFFICE USE

- Class: A
- Type: III
- Person: 10
- Pieces: 71
- Size: 8" x 5" x 3"
- Plastic, weatherproof case
- ANSI/ISEA Z308.1-2015

Description	Dimensions	Pieces per unit	Cat. No.
10 Person Bulk Plastic First Aid Kit, ANSI A	8 x 5 x 3"	71	76049-204



VWR® 25 PERSON FIRST AID KITS, ANSI A & ANSI A+

25 PERSON BULK FIRST AID KITS MEET OSHA AND ANSI STANDARDS, AND ARE DESIGNED FOR USE IN SMALL OFFICES, VEHICLES, AND WORK SITES

- Weatherproof, wall-mountable case
- Available with 89 or 141 pieces
- Available in a metal or plastic case
- ANSI/ISEA Z308.1-2015

Description	Dimensions	Pieces per unit.	Cat. No.
25 Person Bulk Metal First Aid Kit, ANSI A, Type III	9.5 x 6.5 x 3"	89	76049-034
Person Bulk Plastic First Aid Kit, ANSI A+, Type III	9 x 6.31 x 2.37	141	76049-036



VWR® 50 PERSON FIRST AID KITS, ANSI A+, TYPE III

50 PERSON BULK FIRST AID KITS MEET OSHA AND ANSI STANDARDS, AND ARE IDEAL FOR CONTRACTORS, FLEET VEHICLES, WORKSITES, AND SMALL COMPANIES WITH UP TO 50 EMPLOYEES

- Weatherproof, wall-mountable case
- 183 pieces
- Available in a metal or plastic case
- ANSI/ISEA Z308.1-2015

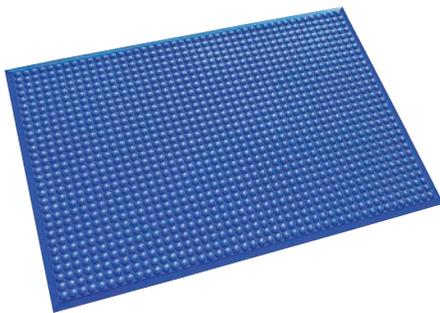
Description	Dimensions	Pieces per unit.	Cat. No.
50 Person Bulk Metal First Aid Kit, ANSI A+, Type III	9.75 x 10 x 2.62"	183	76049-038
50 Person Bulk Plastic First Aid Kit, ANSI A+, Type III	9.1 x 9.1 x 2.75"	183	76049-054



VWR® FIRST AID METAL CABINETS, ANSI A+, TYPE I & II, WITH MEDICATIONS
STEEL FIRST AID CABINETS MEET ANSI STANDARDS AND ARE DESIGNED FOR WORKSITES AND COMPANIES WITH 75+ EMPLOYEES

- Solid steel case, with carrying handle
- Wall-mountable
- Available in a 2-shelf or 3-shelf configuration
- Available with 347 or 669 pieces
- ANSI/ISEA Z308.1-2015

Description	Dimensions	Pieces per unit	Cat. No.
75 Person 2-Shelf Metal First Aid Cabinet, ANSI A+, Type I & II with Medications	14.75 x 10.25 x 4.63"	347	76049-056
100 Person 3-Shelf Metal First Aid Cabinet, ANSI A+, Type I & II with Medications	15 x 16.15 x 5.56"	669	76049-060



VWR® ERGONOMIC BUBBLE MATS, BLUE

THE COMFORT OF A POLYURETHANE MAT AND THE ADDED BENEFIT OF EASY CLEAN-ABILITY DUE TO ITS CLOSED-CELL/NON-POROUS TOP SURFACE

- Stimulate the body to increase blood circulation and alertness
- Molded beveled edges eliminate tripping hazards
- Silicone free, latex free
- Antistatic and meets ISO Class 5 (Class 100) compliance
- Easy-to-clean, closed-cell/nonporous top surface
- Highly resistant to chemicals and UV light

Length	Thickness	Width	Cat. No.
0.9 m (3')	1.6 cm (5/8")	0.6 m (2')	89184-910
1.2 m (4')	1.6 cm (5/8")	0.6 m (2')	89184-912
1.5 m (5')	1.6 cm (5/8")	0.9 m (3')	89184-950
1.8 m (6')	1.6 cm (5/8")	0.6 m (2')	89184-916

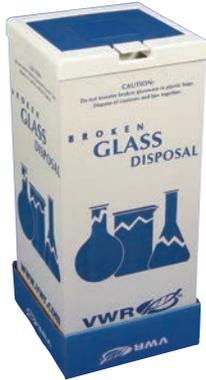


VWR® ERGONOMIC SMOOTH MATS, GRAY

THIS SMOOTH MAT HAS THE COMFORT OF A POLYURETHANE MAT AND THE ADDED BENEFIT OF EASY CLEAN-ABILITY DUE TO ITS CLOSED-CELL/NON-POROUS TOP SURFACE

- Stimulate the body to increase blood circulation and alertness
- Molded beveled edges eliminate tripping hazards
- Silicone free, latex free
- Antistatic and meets ISO Class 5 (Class 100) compliance
- Easy-to-clean, closed-cell/nonporous top surface
- Highly resistant to chemicals and UV light

Length	Thickness	Width	Cat. No.
0.9 m (3')	1.1 cm (7/16")	0.6 m (2')	89185-228
1.5 m (5')	1.1 cm (7/16")	0.6 m (2')	89185-232
1.8 m (6')	1.1 cm (7/16")	0.9 m (3')	89185-270



VWR® BROKEN GLASS DISPOSAL CARTONS

DISPOSAL CARTONS PROVIDE A SAFE, CONVENIENT PLACE TO THROW AWAY BROKEN GLASSWARE AND RESIDUAL LIQUIDS

- Easy to Assemble
- Disposable Cardboard Construction
- Safe and Convenient Disposal of Broken Glassware
- Color-Coded Lids

Description	Dimensions	Cat. No.
Benchtop Disposal Carton	20.3L x 20.3W x 25.4H cm (8 x 8 x 10")	56617-804
Floor Disposal Carton	30.5L x 30.5W x 68.5H cm (12 x 12 x 27")	56617-801



VWR® BIOHAZARD INCINERATOR CARTONS

A PAIR OF TABS ALONG THE TOP EDGE OF THIS CARDBOARD RECEPTACLE KEEP THE CLEAR 0.038 MM (1.5 MIL) THICK POLYETHYLENE BIOHAZARD BAG FROM SLIPPING OUT OF PLACE

- Allows safe, convenient disposal and incineration of biohazardous waste
- Negates the need to transfer contents
- The snug-fitting lid has a flap for easily inserting waste material

Description	Dimensions	Cat. No.
Floor Incinerator Carton	30.5L x 30.5W x 68.5H cm (12 x 12 x 27")	56617-807
Benchtop Incinerator Carton	20.3L x 20.3W x 25.4H cm (8 x 8 x 10")	56617-810

Personal protection

GLOVE SELECTOR GUIDE

GLASSES & GOGGLES

CLEANROOM PPE



Disposable glove guide



Our line of disposable gloves offers a variety of choices depending on your application. Whether your needs are production, laboratory, or industrial focused, we have you covered. Use the guide below to understand the features of our VWR® Disposable Gloves and choose the right level of protection from various material, thickness, and length options.

CLEANROOM GLOVES, POWDER-FREE

	Product Line	Packed	Static Dissipative	Thickness, Finger	Length	Texture	Cuff	Color	Ambidextrous	Packaging	Cat. No. Series
Nitrile Gloves											
	VWR® CERTICLEAN® Class 10 Nitrile Gloves	ISO Class 4 (FED-STD-209E Class 10/M2.5)	Yes	6.3 mil	12 in.	Fingertips	Beaded	White	Yes	100/Bag, 10 Bags/Case	40101-352
	VWR® CERTICLEAN® Class 100 Nitrile Gloves	ISO Class 5 (FED-STD-209E Class 100/M3.5)	Yes	6.3 mil	10 in.	Fingertips	Beaded	White	Yes	100/Bag, 10 Bags/Case	40101-222
	VWR® Maximum Protection Class 10 Nitrile Gloves	ISO Class 4 (FED-S TD-209E Class 10/M2.5)	Yes	5.9 mil	12 in.	Fingers	Tapered, Beaded	White	Yes	100/Bag, 10 Bags/Case	89130-846
	VWR® Advanced Protection Class 100 Nitrile Gloves	ISO Class 5 (FED-STD-209E Class 100/M3.5)	Yes	5.9 mil	12 in.	Fingers	Tapered, Beaded	White	Yes	100/Bag, 10 Bags/Case	89130-836
Latex Gloves											
	VWR® CERTICLEAN® Class 10 Latex Gloves	ISO Class 4 (FED-S TD-209E Class 10/M2.5)	No	8.7 mil	12 in.	Fully Textured	Tapered, Beaded	Natural	Yes	100/Bag, 10 Bags/Case	40101-146
			No	8.7 mil	12 in.	Fully Textured	Tapered, Beaded	Natural	Hand-Specific	50 Pair/Bag, 4 Bags/Case	40101-044
	VWR® CERTICLEAN® Class 100 Latex Gloves	ISO Class 5 (FED-STD-209E Class 100/M3.5)	No	8.7 mil	10 in.	Fully Textured	Beaded	Natural	Yes	100/Bag, 10 Bags/Case	40101-142
			No	8.7 mil	12 in.	Fully Textured	Beaded	Natural	Yes	100/Bag, 10 Bags/Case	40101-158

GENERAL USE GLOVES, POWDER-FREE

	Product Line	Feature	Material	Chemo Rated	Thickness, Finger	Length	Texture	Cuff	Color	Packaging	Cat. No. Series
	VWR® MICROGRIP® PURPLE NITRILE® Poly-Coated Powder-Free Gloves	Polymer Coating for Easy Donning	Nitrile	No	5.5 mil	10 in.	Fully Textured	Beaded	Purple	100/Pack, 10 Packs/Case	40101-346
	VWR® Powder-Free Nitrile Examination Gloves	Everyday Glove, Ideal for Many Applications	Nitrile	Yes	4.7 mil	9 in.	Fully Textured	Rolled, Beaded	Light Blue	100/Pack, 10 Packs/Case	82026-424
	VWR® Black Nitrile Examination Gloves	Exceptional Barrier Protection, Sleek Look, Fentanyl Approved	Nitrile	Yes	5.5 mil	9.5 in.	Fully Textured	Beaded	Black	100/Pack, 10 Packs/Case	76307-464
	VWR® Soft Nitrile Examination Gloves	Exceptional Tactile Sensitivity and Comfort	Nitrile	Yes	3.9 mil	9 in.	Fingers	Beaded	Blue	100/Pack, 10 Packs/Case	89038-268
	VWR® Nitrile 200 Examination Gloves	Space-Saving and Waste-Reducing Packaging	Nitrile	Yes	3.1 mil	9 in.	Fingers	Rolled, Beaded	Blue	200/Pack, 10 Packs/Case	89428-748
	VWR® Grip Examination Gloves	Added Grip Pattern for Excellent Wet and Oil Handling	Nitrile	Yes	5.5 mil	10.5 in.	Fully Textured Wavy Grip	Beaded	Blue	50/Pack, 10 Packs/Case	76209-776
	VWR® Nitrile Extended Cuff Exam Gloves	Extended Cuff and Thicker High Risk Protection	Nitrile	Yes	6.1 mil	12 in.	None	Rolled, Beaded	Blue	50/Pack, 10 Packs/Case	89521-896
	VWR® Powder-Free Latex Examination Gloves	Natural Rubber Latex For Everyday Use, High Barrier Protection	Latex	Yes	5.5 mil	9.5 in.	Fully Textured	Beaded	Natural	100/Pack, 10 Packs/Case	76319-668
	VWR® Polyethylene Disposable Gloves	Durable Food and Service Gloves	Polyethylene	No	1.2 mil	12 in.	Fully Textured	N/A	Transparent	100/Pack, 10 Packs/Case	32915-224
						21.5 in. (Elbow Length)				100/Pack, 5 Packs/Case	32915-272



VWR® VISITOR SPECS

STYLISH AND SECURE PROTECTION WITH AN ARRAY OF COMFORT FEATURES TO ENABLE EXTENDED USE

- Designed to fit comfortably over most prescription glasses
- Wraparound styling offers unobstructed peripheral vision
- Contoured protective brow guard and molded-in comfort nose bridge
- Impact-resistant, scratch-resistant polycarbonate lenses
- Provides 99.9% UV protection

Frame color	Lens coating	Lens tint	Cat. No.
Clear	Anti-Scratch	Clear	89187-988



VWR® PROTECTIVE EYEWEAR WITH WRAPAROUND LENS

OFFERS AN ARRAY OF COMFORT FEATURES TO ASSIST THE WEARER THROUGHOUT EXTENDED USE

- Lightweight design combines sleek appearance with rugged durability
- Rubberized temple tips and integrated nose piece for extra comfort
- Fits comfortably with half-mask respirators
- Impact-resistant, scratch-resistant polycarbonate lens
- Provides 99.9% UV protection

Frame color	Lens coating	Lens tint	Cat. No.
Blue	Anti-Scratch, Anti-Fog	Blue	76329-622
Black	Anti-Scratch, Anti-Fog	Smoke	76329-624
Black	Anti-Scratch, Anti-Fog	Mirrored	76329-626
Clear	Anti-Scratch	Clear	89187-986



VWR® PROTECTIVE EYEWEAR WITH ADJUSTABLE TEMPLES

ULTRA-LIGHTWEIGHT NYLON FRAME WITH SOFT PVC NOSE PADS

- Unique ratcheting temples lock into place for a custom fit
- Ultra-lightweight nylon frames and soft PVC nose pads to prevent slipping
- 8-base spherical lenses provide excellent side protection
- Antifog coating extends lens life
- Provides 99.9% UV protection

Frame color	Lens coating	Lens tint	Cat. No.
Black	Anti-Fog, Anti-Scratch	Clear	89187-984



VWR® SLEEK SAFETY GLASSES

LIGHTWEIGHT AND SLEEKLY DESIGNED SAFETY GLASSES

- Super lightweight at 22.7 grams
- Dielectric construction
- Comfortable nose piece
- Slim temple with rubber pad
- Impact-resistant
- Polycarbonate lens
- Provides 99.9% UV protection

Frame color	Lens coating	Lens tint	Cat. No.
Blue	Anti-Scratch, Anti-Fog	Clear	76210-826



VWR® OTG SAFETY GLASSES

ECONOMICAL AND COMPACT, DESIGNED TO FIT OVER PRESCRIPTION GLASSES

- Fits over most prescription glasses
- Adjustable temple length for varied facial contours
- Polycarbonate lens
- Provides 99.9% UV protection

Frame color	Lens coating	Lens tint	Cat. No.
Navy	Anti-Scratch, Anti-Fog	Clear	76210-732



VWR® LADIES PINK SAFETY GLASSES

STYLISH PROTECTIVE EYEWEAR COMBINING FASHION, FIT, AND FUNCTION

- Molded-in nose bridge
- Soft, non-slip rubber temple tips
- Impact-resistant
- Polycarbonate lens

Frame color	Lens coating	Lens tint	Cat. No.
Pink	Anti-Scratch, Anti-Fog	Clear	76210-824



VWR® SPORT SAFETY GLASSES

WRAP-AROUND PROTECTIVE GLASSES COMBINE FASHION, FIT, AND FUNCTION

- Anatomically-shaped nose adapts to all faces
- Co-injected comfort pad will not peel off in hot climates
- High-visibility rubber color
- Polycarbonate lens
- Provides 99.9% UV protection

Frame color	Lens coating	Lens tint	Cat. No.
Smoke	Anti-Scratch, Anti-Fog	Clear	76210-730



VWR® CHEMICAL SPLASH GOGGLES

WIDE VISION GOGGLES PROVIDE HIGH LEVELS OF COMFORT AND MAXIMUM SPLASH PROTECTION

- Wrap around modern style provides excellent panoramic vision
- Fits most facial contours
- Comfortably fits over most prescription glasses
- Indirect ventilation
- Provides 99.9% UV protection

Description	Lens coating	Frame material	Lens material	Cat. No.
Chemical Splash Goggle	Anti-fog, Anti-scratch	PVC	Polycarbonate	75982-628



VWR® NONSTERILE SAFETY GOGGLES

DESIGNED TO PROTECT FROM HAZARDS WITH A FLEXIBLE RIDGE AROUND A PVC FRAME

- Two ventilation options available
- Goggles fit over most prescription glasses
- Fully adjustable headband
- Provides 99.9% UV protection

Description	Lens coating	Frame material	Lens material	Cat. No.
Indirect Ventilation	Uncoated	PVC	Polycarbonate	76017-902
Indirect Ventilation	Anti-Scratch	PVC	Polycarbonate	75982-624
Direct Ventilation	Uncoated	PVC	Polycarbonate	76017-944
Direct Ventilation	Anti-Scratch	PVC	Polycarbonate	75982-626



VWR® INDUSTRIAL FIT SAFETY GOGGLES

SMALLER FIT DESIGNED TO ACCOMMODATE OTHER PERSONAL PROTECTIVE

- Smaller fit goggle designed to accommodate face masks, respirators, and hard hats
- Wraparound style with indirect ventilation
- Opalescent frame prevents light reflection
- Provide 99.9% UV protection

Description	Lens coating	Frame material	Lens material	Cat. No.
Industrial Fit Goggle	Anti-Fog, Anti-Scratch	PVC	Polycarbonate	75982-630



VWR® RATCHET HEADGEAR WITH FACE SHIELD

PROVIDES FULL FACE PROTECTION FROM DEBRIS AND SPLASH HAZARDS – IDEAL FOR USE IN MANY ENVIRONMENTS RANGING FROM THE LAB TO INDUSTRIAL APPLICATIONS

- Lightweight design
- Ratchet headgear features padded headband for better fit and comfort
- Face shield features universal slot design compatible with many different headgear styles
- Face shield thickness: 2.0 mm
- Fits comfortably with respirator or eyewear
- Impact-resistant, scratch-resistant polycarbonate shield

Description	Thickness	Cat. No.
Headgear and shield	2.0 mm	76336-850
Replacement shield	2.0 mm	76336-852



VWR® LENS CLEANING WIPES AND LENS CLEANING STATION

PROVIDE A CLEAN, SAFE, AND EFFECTIVE SOURCE OF PERSONAL PROTECTION THAT CAN BE CONVENIENTLY POSITIONED VIRTUALLY ANYWHERE IN THE WORKPLACE

- Cleans without scratching, streaking, or residue
- Individually foil wrapped, premoistened
- Disposable station contains cleaning solution and dry cleaning tissues
- Solution coats lenses with antifog, antistatic formula

Description	Cat. No.
VWR® Pre-Moistened Lens Cleaning Wipes	89203-550
VWR® Disposable Lens Cleaning Station	89203-548



VWR® BASIC PROTECTION SPP BOUFFANT CAPS

MANUFACTURED FROM A SPUNBONDED POLYPROPYLENE (SPP) FABRIC THAT IS STRONG, LIGHTWEIGHT, AND BREATHABLE

- Economical first-line barrier
- Non-linting

Description	Size	Diameter	Color	Cat. No.
Latex-Free	24"	61 cm (24")	White	89107-770



VWR® BASIC PROTECTION SPP BEARD COVERS

MANUFACTURED FROM A SPUNBONDED POLYPROPYLENE (SPP) FABRIC THAT IS STRONG, LIGHTWEIGHT, AND BREATHABLE

- Economical first-line barrier
- Non-linting

Description	Size	Color	Cat. No.
Latex-Free	X-Large (18")	White	89218-950



VWR® ADVANCED PROTECTION FACE MASKS

EXCELLENT BACTERIA AND PARTICULATE PROTECTION, AND ARE AVAILABLE IN MULTIPLE STYLES TO PROVIDE SECURITY AND COMFORT THROUGHOUT EXTENDED USE

- Guards against bacteria and particulates
- Highly breathable and fluid resistant
- Malleable noseband ensures custom, secure seal
- Soft and hypoallergenic

Description	Color	Cat. No.
Mask with Ear Loops	Blue	414004-662



VWR® MAXIMUM PROTECTION CLEANROOM FACE MASKS

SUPERIOR BACTERIA AND PARTICULATE PROTECTION, AND ARE AVAILABLE IN MULTIPLE STYLES TO ENSURE SECURITY AND COMFORT THROUGHOUT EXTENDED USE

- Superior protection against bacteria and particulates
- Highly breathable and fluid-resistant
- Low particle shedding
- Soft and hypoallergenic
- Malleable noseband ensures custom, secure seal

Description	Color	Cat. No.
Mask with Ear Loops	Blue	414004-667

Avantor controlled environment specialists

We offer free consultative services to support your specific requirements

Our Controlled Environment Specialist Team is regionally located across the U.S. to support our customers nationwide. Each highly trained specialist has technical and industry experience, including training on ISO and IEST protocols. Our specialists are members of IEST and PDA, staying current on industry trends and protocols. Collectively the team has over 100+ years of industry experience. Our Controlled Environment Specialist Team also has deep product and supplier knowledge to effectively recommend the best solutions to meet your needs. They are available at no charge to consult with you and offer cost and process improvement solutions tailored to your specific requirements.

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Consultative services our specialists provide:

Gowning protocol:

- Insight and training following IEST/ISO protocols and guidelines

Process & workflow efficiency reviews:

- Consultative evaluation of materials in use with respect to efficiency

Standardization targets:

- Help rationalizing materials and optimizing what you are buying today through vendor consolidation programs

Risk assessments:

- Evaluation of effectiveness of materials in use
- Providing support in establishing a second source program for critical production supplies

Cleaning/disinfecting programs:

- Reviewing current SOPs and products
- Providing innovative solutions to improve cost and efficiencies
- On-site operator training

Cost containment:

- Evaluating spend (with multi-site capability) targeting areas to meet budgets, and securing lower cost of goods

Innovation:

- Consulting on market trends; new product introductions, and updates to Industry Recommended Practices (IRPs)



VWR® BASIC PROTECTION HOOD

- Made Of 20GSM SPP
- Color: white

Size	Size	Cat. No.
Basic Protection Hood	XL:	76292-068



VWR® DISPOSABLE GOGGLES, STERILE

INDIVIDUALLY BAGGED AND PROVIDE OPTIMUM COMFORT FOR EXTENDED WEAR TIMES

- Two types of ventilation
- Anti-fog and antiscratch
- Fits over prescription glasses

Description	Frame material	Lens material	Cat. No.
Disposable Goggles, Indirect Ventilation	PVC	Polycarbonate	10770-152



VWR® STERILIZED SOFTSIDE SAFETY GOGGLES

SOFTSIDE INDIRECT CAP SAFETY GOGGLES FEATURE A GREEN TINT FRAME WITH AN INDIRECT CAP-VENTED FRAME FOR EXCEPTIONAL EYE PROTECTION AND SPLASH RESISTANCE AND A FOG-FREE LENS

- Green tinted frame with fog-free lens
- Indirect cap-vented frame provides splash resistance
- Soft, clear plastic construction for a comfortable fit and good peripheral vision

Description	Cat. No.
Indirect Venting Goggle	69100-210



VWR® ADVANCED PROTECTION HOOD

MANUFACTURED FROM A SPECIALLY FORMULATED, BREATHABLE MICROPOROUS FABRIC THAT IS EXCEPTIONALLY CLEAN AND DURABLE

- Significant fluid and particulate barrier
- Durable, lightweight, soft cloth-like fabric
- Excellent breathability and water vapor transmission rate

Size	Color	Cat. No.
Universal	White	414004-503



VWR® SIGNATURE™ COVERALLS MADE WITH DUPONT™ TYVEK® ISOCLEAN® MATERIAL

EXCELLENT BARRIER AGAINST DRY PARTICULATES, NONHAZARDOUS LIQUIDS, AND MICROORGANISMS

- Protective, durable, and comfortable
- Excellent barrier against dry particulates, nonhazardous liquids, and microorganisms
- Chemically and biologically inert, low linting, and static free until laundered
- Serged seams, laydown collar, front zipper closure, and elastic wrists
- Available with elastic ankles, with attached Gripper™ boots, or with attached boots and hood
- Boot attachments combine embossed PVC exterior sole with textured interior to ensure secure, nonslip fit and feel

Description	Size	Color	Cat. No.
Coveralls with Elastic Ankles	XX-Large	White	89012-830



VWR® ADVANCED PROTECTION COVERALLS

LOW-LINTING DISPOSABLE GARMENTS PROVIDE A FLUID BARRIER AND DRY-PARTICULATE PROTECTION AS WELL AS RESISTANCE TO COMMON LABORATORY CHEMICALS

- Significant fluid and particulate barrier
- Durable, lightweight fabric
- Excellent breathability and water vapor transmission rate
- Soft tactile feel

Description	Size	Color	Cat. No.
Coveralls	XX-Large	White	414004-291



VWR® BASIC PROTECTION SPP LAB COATS

MANUFACTURED FROM A SPUNBONDED POLYPROPYLENE (SPP) FABRIC THAT IS STRONG, LIGHTWEIGHT, AND BREATHABLE

- Economical, disposable first-line barrier
- Maximum breathability
- Low linting

Clothing size	Description	Color	Cat. No.
XXL	Elastic Cuffs, No Pockets	White	414004-349



VWR® UNISEX TECHNOLOGY LAB COAT, REUSABLE

IDEAL FOR USE IN RESEARCH ENVIRONMENTS, QUALITY-CONTROL LABORATORIES, AND INDUSTRIAL AREAS

- Plain front with no embroidery
- Industrial and washable
- Durable
- Comfortable
- Poly/Cotton fabric (80/20 blend)

Clothing size	Chest size	Color	Cat. No.
XL	46-48"	White	10141-346



VWR® STERILE COVERALLS, 10⁻⁶ SAL

PROVIDE A SOLID OPTION FOR CUSTOMERS REQUIRING A FUNCTIONAL GARMENT THAT IS 10⁻⁶ SAL

- Gamma irradiated to SAL 10⁻⁶
- Durable fabric
- Excellent breathability
- Suitable for ISO Class 5 or higher cleanrooms
- Individually bagged

Description	Size	Length	Color	Cat. No.
Disposable Non-Woven Sterile Coverall	Large	173 cm (68.1")	White	89523-462



VWR® ADVANCED PROTECTION SLEEVES

MANUFACTURED FROM A SPECIALLY FORMULATED BREATHABLE MICROPOROUS FABRIC THAT IS EXCEPTIONALLY CLEAN AND DURABLE

- Significant fluid and particulate barrier
- Durable, lightweight fabric
- Excellent breathability and water vapor transmission rate
- Soft tactile feel
- Thumb loop versions also available

Size	Length	Color	Cat. No.
Sleeves without Thumb Loop			
Universal	49.5 cm (19½")	White	414004-421



VWR® STERILE SLEEVES

MANUFACTURED FROM A SPECIALLY FORMULATED BREATHABLE MICROPOROUS FABRIC THAT PROVIDES SIGNIFICANT FLUID AND BARRIER PROTECTION

- Excellent breathability and water vapor transmission rate
- Superior fluid and particulate barrier
- Lowest level of particle shedding
- Durable yet soft, cloth-like fabric
- Gamma irradiated to SAL of 10⁻⁶

Description	Size	Length	Color	Cat. No.
Sterile Sleeves without Thumb Loop	Universal	49.5 cm (19½")	White	414004-510
Sterile Sleeves with Thumb Loop	Universal	49.5 cm (19½")	White	76169-446

VWR® BASIC PROTECTION SPP SHOE COVERS

SUNBONDED POLYPROPYLENE (SPP) SHOE COVERS PROTECT AGAINST DIRT, GRIME, AND CERTAIN DRY PARTICULATES IN NONHAZARDOUS ENVIRONMENTS

- Economical, disposable first-line barrier
- Maximum breathability
- Low linting



Description	Size	Length	Color	Cat. No.
Anti-Skid Shoe Covers	Universal	44.5 cm (17½")	Blue	97041-236



VWR® MAXIMUM PROTECTION NON-SKID HIGH-TOP BOOT COVERS

NON-SKID BOOT COVERS ARE ENGINEERED TO OPTIMIZE BARRIER PROTECTION, CLEANLINESS, COMFORT, AND SKID-RESISTANCE PROPERTIES

- Superior coefficient of friction ensures maximum traction
- Maximum skid resistance on wet and smooth surfaces
- Serged seams for extra protection
- Clean, low-linting fabric

Description	Size	Dimensions	Color	Cat. No.
Elastic Tops and Ankles	X-Large	38.1 L x 45.7 H, cm (15 x 18")	White	414004-415



VWR® MAXIMUM PROTECTION NON-SKID SHOE COVERS

CLEANEST AND MOST DURABLE WITHIN THE ENTIRE VWR PROTECTION LINE OF APPAREL

- Non-skid, abrasion resistant sole provides maximum traction on wet and smooth surfaces
- Superior coefficient of friction
- Impervious material construction
- Clean, low-linting fabric
- Serged seams

Size	Dimensions	Color	Cat. No.
Universal	35.6 L x 12.7 H, cm (14 x 5")	White	414004-480



VWR® MAXIMUM PROTECTION FLUID-IMPERVIOUS BUTTERFLY-STYLE SHOE COVERS

CLEANEST AND MOST DURABLE WITHIN THE ENTIRE VWR® PROTECTION LINE OF APPAREL

- Fluid-impervious material with seamless bottom to repel water
- Skid resistance on wet and smooth surfaces
- Excellent particulate barrier
- Low linting
- Serged seams

Size	Dimensions	Color	Cat. No.
X-Large	43.2 L x 17.8 H, cm (17 x 7")	Blue	414004-642



VWR® ADVANCED PROTECTION ANTI-SKID SHOE COVERS

MANUFACTURED FROM A SPECIALLY FORMULATED PP/PE (POLYPROPYLENE/POLYETHYLENE) MICROPOROUS FILM

- Specially formulated polypropylene/polyethylene microporous film
- Excellent fluid and barrier protection
- Highly durable, ensure long-lasting abrasion and skid resistance
- Standard or static-dissipative formats
- Tested and manufactured in ISO-certified facility
- Lot controlled and validated through independent lab testing

Size	Dimensions	Color	Cat. No.
Standard Shoe Covers			
X-Large	43.2L x 17.1H cm (17 x 6 ³ / ₄ ")	Blue	414004-650
X-Large	43.2L x 17.1H cm (17 x 6 ³ / ₄ ")	Blue	414004-499



VWR® DISPOSABLE STERILE BOOT COVERS, SAL 10⁻⁶

DISPOSABLE STERILE BOOT COVERS ARE MANUFACTURED FROM 60GSM SMS FABRIC, AND FEATURE A 250GSM NONSKID PVC SOLE.

- Disposable
- Sterile
- Vacuum packed in pairs

Size	Length	Color	Cat. No.
Universal	90.1 cm (35.5")	White	10858-532



VWR® GLOVE LINERS

ERGONOMICALLY DESIGNED GLOVE LINERS WICK AWAY MOISTURE FOR COMFORTABLE USE WITH DISPOSABLE GLOVES.

- Ambidextrous glove liners
- Reduces perspiration and wicks away moisture
- Low-lint, 100% 15 denier nylon composition
- Sturdy, launderable, and reusable
- Color-coded cuffs indicate size
- Pre-laundered; will not shrink

Description	Glove size	Glove color	Cat. No.
Full Finger Liners, with Blue Cuff	Large	Orange	94000-612

Production essentials

WIPERS

CLEANING & MOPS

TUBING

CLEANROOM ESSENTIALS





VWR® SPEC-WIPE® 7 WIPERS

EXCELLENT FOR CLEANING ROUGH, ABRASIVE OR IRREGULAR SURFACES, YET SOFT ENOUGH FOR DELICATE SURFACES

- 100% interlock knit polyester
- Sealed edges
- No-run material

W×L	Cat. No.
22.9 x 22.9 cm (9 x 9")	21913-214



VWR® SPEC-WIPE® 3

NONWOVEN WIPERS ARE SUITABLE FOR USE IN CRITICAL ENVIRONMENTS, FOR ABSORBING SPILLS OF WATER AND MOST COMMON SOLVENTS, AND FOR TASKS SUCH AS CLEANING LAMINAR FLOW BENCHES

- 45% polyester and 55% cellulose
- For use in critical environments
- Low extractables
- Creped fabric

W×L	Style	Cat. No.
22.9 x 22.9 cm (9 x 9")	Spec-Wipe® 3	21914-758



VWR® SPEC-WIPE® 3 STERILE WIPER

STERILE WIPER FOR ASEPTIC ENVIRONMENTS WHERE BACTERIA, PARTICULATE, AND EXTRACTABLE LEVELS ARE CRITICAL CONCERNS

- 45% polyester and 55% cellulose
- Hydroentangled
- Mechanically bonded
- Superior quality for aseptic environments

W×L	Cat. No.
30.5x30.5 cm (12x12")	21914-777



VWR® SPEC-WIPE® 4 PRESATURATED WIPERS

SPEC-WIPES ARE EXCELLENT FOR CLEANING ROUGH, ABRASIVE, OR IRREGULAR SURFACES, YET SOFT ENOUGH FOR DELICATE SURFACES

- 100% white interlock knit polyester
- Presaturated
- Continuous filament

W×L	Solvent	Cat. No.
22.9 x 22.9 cm (9 x 9")	70% IPA/30% DI H2O	47751-462



VWR® PREMOISTENED CLEANROOM WIPERS

DESIGNED FOR ENVIRONMENTALLY SENSITIVE AREAS, AND ARE IDEAL FOR WIPING OPTICAL PARTS, DELICATE GLASSWARE, ELECTRODES, CUVETTES, MICROSCOPES, AND LENSES

- Strong, non-woven cellulose/polyester blend
- Soft and lint-free
- Premoistened or dry

Description	W×L	Cat. No.
Wipers Premoistened with Isopropyl Alcohol/Deionized Water	15.2 x 22.9 cm (6 x 9")	21910-110

VWR® CLEANROOM WIPES, NONWOVEN

WIPES ARE MADE FROM 55% POLYESTER AND 45% CELLULOSE BY HYDROENTANGLEMENT TECHNOLOGY



- Manufactured and packed in cleanroom environment
- Free from silicon, amides, and DOP contamination
- Low lint and satisfactory softness to the touch
- High absorbency
- Tensile strength
- Soft edges

Material	W×L	Style	Basis weight	Packaging	Cat. No.
55% cellulose, 45% polyester	22.9×22.9 cm (9×9")	Knife cut edges	68 g/m ²	300/bag	414004-515

VWR® POLYESTER WIPERS

DURABLE WIPERS RESIST FIBER RELEASE AND ABRASION UNDER RIGOROUS USE, EVEN WHEN WIPING ROUGH SURFACES



- 100% virgin, interlock knit polyester
- Continuous filament
- No-run material
- Laser cut
- Sealed edges

W×L	Color	Packaging	Cat. No.
22.9 x 22.9 cm (9 x 9")	White	150/Bag	414004-517

VWR® SPEC-WIPE® 3 PRESATURATED WIPERS

SPEC-WIPES ARE DESIGNED FOR CLEANING LAMINAR FLOW BENCHES, CLEANROOM SURFACES, AND GENERAL PROCESS EQUIPMENT



- Blend of 45% white polyester and 55% white cellulose
- Presaturated
- Mechanically bonded

W×L	Solvent	Cat. No.
22.9 x 22.9 cm (9 x 9")	70% IPA/30% DI H ₂ O	47751-458



VWR® STERILE 70% ISOPROPANOL

FILTERED TO 0.2MM AND INDUCTION SEALED TO ASSURE STERILITY

- Contains 70% USP grade isopropanol and 30% USP grade deionized water
- Double-bagged and gamma-irradiated to a Sterility Assurance Level of 10⁻⁶
- Ideal for use with sterile cleanroom wipers

Description	Size	Cat. No.
Trigger Spray Bottle	473 ml (16 oz.)	89108-160
Bottle	3.8 L (1 gal.)	89108-162



VWR® TUBULAR KNIT MOP HEADS

MOP HEADS ARE DESIGNED TO HAVE EXCELLENT SORBENCY AND ARE SUITABLE FOR USE IN CLEANROOM CONDITIONS

- Tubular-knit, 100% polyester string mop heads
- Excellent sorbency
- Mop heads are double clear poly-bagged for cleanroom use

Description	Cat. No.
Tubular Knit Mop Head	33502-728



VWR® ROLL-O-MATIC® SPONGE REFILLS

"ADVANCED TECHNOLOGY" FOAM IS MANUFACTURED SPECIFICALLY FOR THE CONTROLLED ENVIRONMENT INDUSTRY

- Perfect for general use within all controlled environments
- Absorb spills, clean particles, and apply disinfectant
- Autoclavable

Description	Size	Mop head width	Color	Cat. No.
VWR® "Universal" Galvanized Steel Refill	35.6 cm (14")	35.6 cm (14")	Blue	89032-176
VWR® "Disinfect" Refill with Polyester	35.6 cm (14")	35.6 cm (14")	Blue and White	89032-182



VWR® POCKET MOP CLEANROOM MOPS

FLAT HEAD MOP THAT CAN BE USED FOR CONTROLLED ENVIRONMENTS

- Cleanroom grade materials of construction
- Lightweight, ergonomic hardware
- Angled head for easy application of disinfectant or detergent
- Available in NovaPoly, PolySorb, Microfiber and MegaTex materials
- Launderable/Autoclavable mop heads

Description	Size	Cat. No.
PolySorb Textured Polyester Outer Layer, Urethane Foam Inside Layer	35.6 cm (14")	10029-718



VWR SIGNATURE™ CLEAR PVC TUBING

ENGINEERED FOR OPTIMUM PERFORMANCE IN A WIDE VARIETY OF APPLICATIONS

- Lab-grade clear plastic tubing
- Wide operating temperature range
- Autoclavable

I.D.×O.D.	Wall thickness	Cat. No.
1/2 x 3/4"	1/8"	60985-556



VWR® SILICONE PUMP TUBING

EXTREMELY FLEXIBLE AND SPECIALLY FORMULATED FOR RELIABLE PERFORMANCE IN PERISTALTIC PUMPS

- Extremely flexible low-volatile grade platinum-cured silicone tubing
- Ideal for pharmaceutical, biomedical, laboratory, food, beverage, and fragrance applications
- Ultra-smooth interior surface for uniform flow and bacteria resistance

I.D.×O.D.	Wall thickness	Cat. No.
0.375 x 0.625"	0.125"	89068-444



VWR® GENERAL-PURPOSE CLEANROOM TAPE, VINYL

IDEAL FOR USE IN CLEANROOM MAINTENANCE AND SUPPORT AREAS

- Multi-purpose vinyl tape
- Color-coded for a variety of identification applications
- 33m (36yd.) length wound on a plastic core

Width	Color	Cat. No.
2.5 cm (1")	White	11211-914
5.1 cm (2")	White	11211-916



VWR® PUREIMAGE™ CLEANROOM PAPER

USE WHERE THE PREVENTION OF CHEMICAL EXPORTATION AND PARTICLE CONTAMINATION IS CRITICAL

- Designed for writing, printing, and photocopying in cleanroom environments
- Features high tensile strength and excellent heat resistance
- Web-cleaned on both sides prior to sheeting

Color	Paper size	Weight	Cat. No.
Non-Latex Paper			
White	8 1/2 x 11"	80 g/m ² (22 lbs.)	87003-434



VWR® PURESTEP ADHESIVE MATS

MULTILAYERED CONTAMINATION CONTROL MATS REMOVE AND CONTAIN DIRT AND DUST FROM FOOT TRAFFIC AND EQUIPMENT WHEELS

- 0.3 mil thick acrylic-based, pressure-sensitive adhesive coating
- Antimicrobial agent protects against growth of bacteria, mold, and fungus

LxW	Color	Cat. No.
30-Layer Mats		
114.3x66 cm (45x26")	White	87004-056



VWR® SAMPLE BAGS FOR THE SEWARD STOMACHER® BLENDER

MADE TO WITHSTAND THE PADDLE ACTION OF STOMACHER® LAB BLENDERS

- Pure or hybrid polyethylene construction
- Highly transparent
- Suitable for general-purpose blending or analysis testing
- Some bags feature write-on strip
- Malleable yet durable

Description	Capacity	Thickness	WxL	Cat. No.
For 400 Series Stomacher® Blenders				
FILTRA-BAG® with Safety Tab and Flat Wire Closure	710 ml (24 oz.)	3 mil	15.2 x 22.9 cm (6 x 9")	10048-882



NOTES

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NOTES

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