

TODAY, TOGETHER FOR TOMORROW

SUPPORTING YOUR BIO-PROCESSING AND
VACCINE MANUFACTURING NEEDS



DWK LIFE SCIENCES
DURAN WHEATON KIMBLE

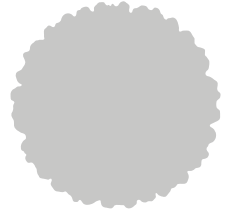
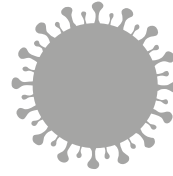
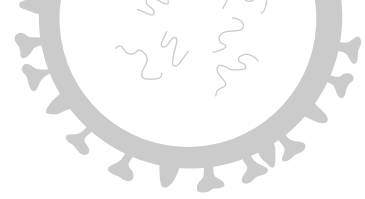
HUBERLAB.

committed to science

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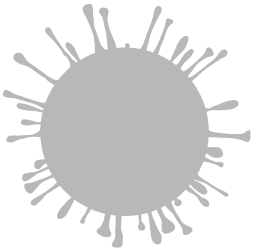
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VIRUS TODAY.

From the discovery of the first vaccine at the end of the 18th century to the modern vaccine research of today, scientists and physicians have made a quantum leap in the development of the public healthcare sector. Severe and often fatal infectious diseases such as poliomyelitis or smallpox have been greatly reduced or even completely eradicated. Despite such great scientific achievements, our modern society is also constantly confronted with new infectious diseases for which there are still no effective vaccinations available, e.g. HIV or Ebola. In addition to these, new viral mutations and other diseases such as Covid-19 pose novel challenges to science and our society every day. There is still a long way to go and we can only win this battle together.



WORKING TOGETHER.

Our point of view, begins with you.

From scientific research and technical applications to storage and packaging solutions, the world's laboratories rely on DWK Life Sciences for the most comprehensive range of precision labware available. Our catalog of glassware, plasticware and specialty products reflects our commitment to premium quality and ongoing innovation, all to meet your highest expectations and help advance today's scientific research. The experience we've gained over our 130+ year history has created the unparalleled levels of expertise trusted by our customers and distributors worldwide. Partnering with **DWK Life Sciences** you'll discover how our collaborative mindset sets us apart from others and consistently demonstrates that we're here for you. We want to assure you that DWK Life Sciences understands the challenges you face – from demands for accuracy to pressures around speed-to-market – and that we strive to ensure you get the right product, where and when you need it.

LET'S CLICK IT ...

Throughout this digital brochure, this hand symbol indicates links to additional online information or links within the brochure. Clicking on the specific contents leads you directly to the corresponding page (e.g. ordering information or chapter contents).



»» Vaccines represent one of the most effective and cost-effective medical and public health achievements of all time. ««

Alan R. Shaw Professor of Medicine and Microbiology



It is estimated that vaccination programs save more than 2 million lives worldwide every year. In addition to the major health benefits for each individual, effective vaccines greatly reduce the burden on healthcare systems and provide associated economic benefits to society. The development of new vaccines is one of the great challenges of our time.

VACCINE TOMORROW.



THREE STEPS FOR YOUR SUCCESS

SAMPLE COLLECTION & DIAGNOSTICS

RESEARCH & DEVELOPME

1

The first step prior to any testing or vaccine development is always sample collection either from potentially infected individuals or animals which might act as vectors. To ensure the integrity and security of your samples, you need a partner you can rely on. **DWK Life Sciences can support you with sterile and non-sterile high-quality plastic products that meet the different requirements in the field of sample collection and diagnostics.** For example, we offer sample containers that are IATA 95 kPa compliant supporting the requirements of the WHO and national health authorities for handling and transporting biological substances (UN 3373, Category B, packaging instruction P 650).

NT



PRODUCTION &
PACKAGING

Modern bioprocessing and vaccine development are hypothesis-driven application techniques in molecular biology and immunology facing a wide variety of needs and challenges.

DWK Life Sciences offers basic cell culture products as well as specialized innovative solutions to fit all needs and support pre-clinical vaccine research, stability studies and more. We strive to serve you with high-quality and cost-effective solutions.

Manufacturing and primary packaging of pharmaceutical substances and vaccines are extensively controlled and monitored with the highest demands on the quality of each product in this process. **DWK Life Sciences is your premium partner for full-scale production and pharmaceutical packaging.** We support you with custom-tailored products and premium service offerings (e.g. special cleaning and sterilization) allowing you to focus on the essentials of your work. DURAN® PURE for example is a range of high-quality bottles and closures developed for the requirements of GMP manufacturing in the pharmaceutical and biotech industry.

1

SAMPLE COLLECTION & DIAGNOSTICS

- 08 WHEATON® Sample Containers
- 08 WHEATON® Specimen Bags
- 09 WHEATON® Centrifuge Tubes
- 09 AZLON® Wash Bottles
- 10 WHEATON® Dropping Bottles
- 11 WHEATON® Loops and Spreaders
- 11 WHEATON® Plastic Pasteur Pipettes



WHEATON® SAMPLE CONTAINERS

APPLICATIONS

- Collection, transport and storage of patient and other research based samples

FEATURES & BENEFITS

- Size range 7 mL to 250 mL – suits most sample types and user applications
- Leak free for excellent sample security and user safety
- 95 kPa compliant – supporting P650 packaging guidelines which applies to UN 3373 (Diagnostic Specimens) for road transport
- Sterile with a sterility assurance level (SAL) of 10^{-6} – to protect the sample from contamination and to ensure anything cultured/observed originates from the sample within
- CE marked in accordance with the IVD directive 98/79/EC
- **Material:** Virgin grade polystyrene for excellent clarity of sample within



WHEATON® SPECIMEN BAGS

APPLICATIONS

- For the safe transportation of samples and associated documentation

FEATURES & BENEFITS

- Grip seal bag holds patient sample with attached separate document wallet for associated paperwork
- Choice of plain or with biohazard symbol ensures a product for most user applications
- **Material:** LDPE (Low Density Polyethylene)





WHEATON® CENTRIFUGE TUBES

APPLICATIONS

- For general sample management and centrifugation applications

FEATURES & BENEFITS

- Fitted with leakproof, HDPE caps to support the security of often valuable samples
- Option of 15 mL or 50 mL capacity with 50 mL self standing option – suits most user applications
- Easy to read printed graduations with large write on patch
- Supplied sterile by ETO
- Supplied DNase/RNase free, non-pyrogenic <0.25 EU/mL
- Packed in inner bags or polystyrene racks
- RCF values up to 9.500 x g
- **Material:** Virgin, medical grade polypropylene



AZLON® WASH BOTTLES

APPLICATIONS

- Enable safe and easy liquid and solvent dispensing
- Biocidal agents are used worldwide for disinfection, purposes to help maintain laboratory sterility

FEATURES & BENEFITS

- Range of styles and sizes: 250 mL, 500 mL and 1000 mL – suits most user applications
- Wide mouth for ease of filling
- Available pre-printed with common solvents and laboratory solutions with relevant safety information in multiple languages – supporting general safety and legislative requirements
- Vented cap feature – eliminates internal pressure build up that can cause potentially hazardous solvent drips
- A laboratory essential
- **Material:** LDPE (Low Density Polyethylene) – allowing maximum flexibility whilst maintaining excellent chemical resistance



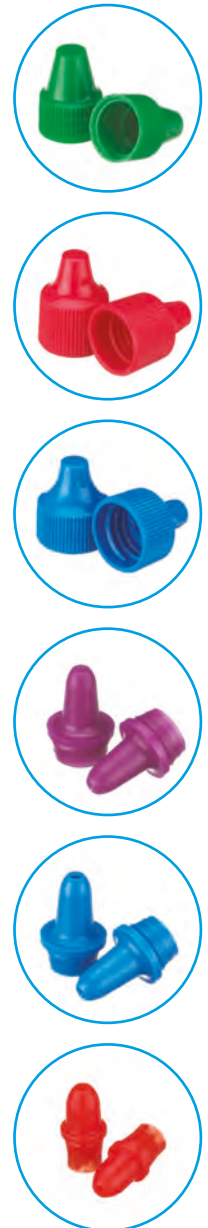
WHEATON® DROPPING BOTTLES WITH TIPS & CAPS

APPLICATIONS

- Dosing drop by drop, e.g. of titration solutions
- Diagnostic test kits
- Clinical, food, biochemical testing

FEATURES & BENEFITS

- Extended controlled dropping tips dispense reliable, repeatable uniform drop sizes
- Excellent chemical resistance making it ideal for most biotech, diagnostic and pharmaceutical applications
- Tips and screw caps are available in 10 different colors
- Friction and snap fit tips provide a secure fit to the bottle
- White LDPE bottle helps to protect UV light sensitive samples
- Manufactured to rigid ISO and quality standards
- Excellent alternative to pipetting
- Custom configurations are available upon request
- Also available complete with tip and cap
- Can be combined with a large selection of dropper tips and caps in different colors
- The extended controlled dropper tip dispenses one drop at a time, with an average drop size of $44 \mu\text{L} \pm 6 \mu\text{L}$.
- **Material:**
 - Bottles and tips made from natural or white LDPE (Low Density Polyethylene).
 - Screw caps are made from radiation grade polypropylene
- **Size range:** Bottles available in sizes ranging from 1 mL to 125 mL



Tips and screw caps are available in 10 different colors



White LDPE

Natural LDPE



WHEATON® LOOPS & SPREADERS

APPLICATIONS

- For the accurate volume transfer of liquid and bacteriological samples

FEATURES & BENEFITS

- Single use and supplied sterile in easy to open paper-plastic peel pouches. Eliminates the potential of cross contamination during every day sample handling and also reduces risk of hazardous aerosols generated during the flaming of metal loops.
- 1 µL and 10 µL loop sizes calibrated using the Evans blue dye method. Known liquid volume transfer supporting quantitative microbiological analysis.
- Option of standard and shorter length
- Shorter profile loops are ideal for use in more confined spaces such as lamina flow hoods and utilize less material during manufacture offering environmental benefits
- Rigid and flexible loop format – suitable for most applications
- CE marked in accordance with the IVD directive 98/79/EC
- Smooth loop surface so no gouging of media
- Color coded for ease of identification
- **Material:** ABS (Acrylonitrile Butadiene Styrene)



WHEATON® PLASTIC PASTEUR PIPETTES

APPLICATIONS

- For general liquid handling/management
- Used in Diagnostic Kits

FEATURES & BENEFITS

- Ideal for safe and easy transfer of liquids and samples
- Wide range of sizes to suit most user needs
- Graduations on 1 mL and 3 mL pipettes for easy measurement
- Narrow stem pipette is suitable for use as a freeze vial when the bulb is heat sealed
- **Material:** Non-toxic LDPE (Low Density Polyethylene) with no impact on solution being handled



RESEARCH & DEVELOPMENT

- 14 WHEATON® CELLine™ Bioreactor Flask
- 15 WHEATON® Serological Pipettes
- 15 WHEATON® PIPET-PAL™ Controller
- 16 WHEATON® CryoELITE® Cryogenic Vials
- 17 WHEATON® CryoELITE® Tissues Vials
- 18 PYREX® Baffled Flasks
- 18 WHEATON® PETG Media Bottles
- 19 PYREX® GL Media-Lab Bottles
- 20 PYREX® Culture Flasks and Bottles
- 20 MBL® Pasteur Pipettes
- 21 PYREX® Petri Dishes
- 21 PYREX® Culture Tubes
- 22 WHEATON® Spinner Flasks
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WHEATON® CELLINE™ BIOREACTOR FLASK

APPLICATIONS

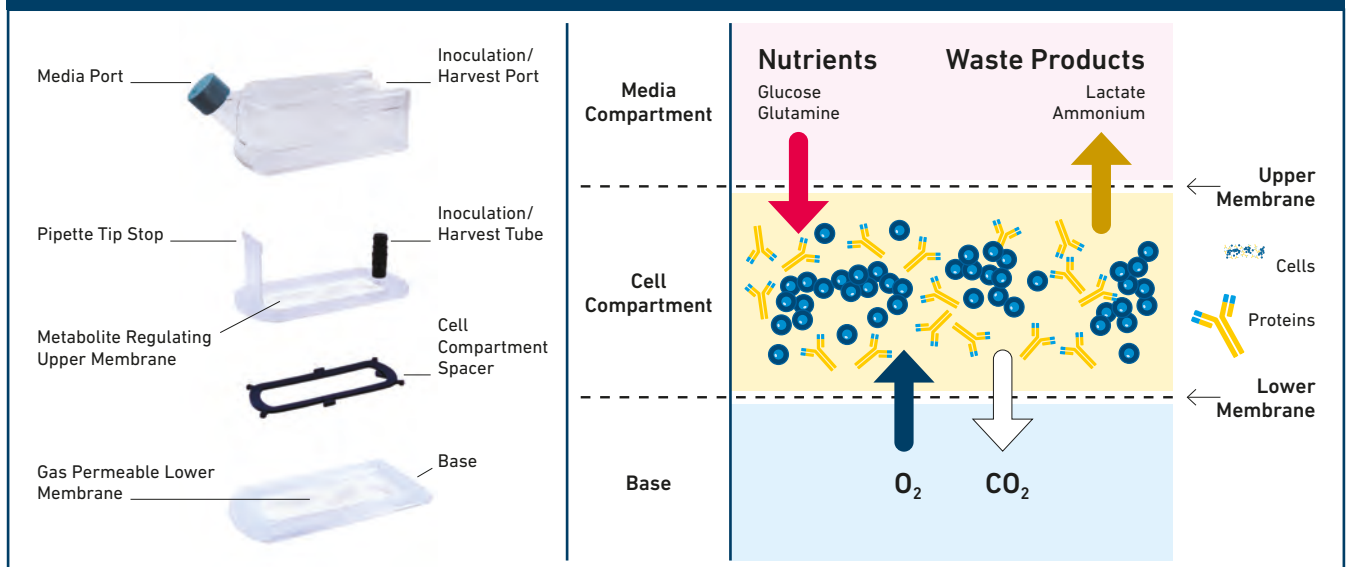
- Small scale production of antibodies and other proteins
- Adherent and suspension cell culture

FEATURES & BENEFITS

- Multi-harvest device
- High cell density and high product concentration
- Reduces operation time
- Decreases use of consumables
- Cost-efficient, space saving, and stackable
- No additional equipment required for operation
- Much reduced handling and labor costs
- Disposable and ready-to-use
- **Material:** Flask made from polystyrene



How does the CELLine™ bioreactor flask work?





WHEATON® SEROLOGICAL PIPETTES



APPLICATIONS

- Culturing or planting cells
- Mixing cell suspensions
- Transferring cells and culture media

FEATURES & BENEFITS

- Easy to see cotton plug to prevent contamination
- Bold, clear graduations with easy to read scale markings
- Color coded to industry standards
- Bi-directional graduations giving the choice between ascending and descending scales
- **Size range:** 1 mL to 50 mL
- Manufactured in a class 100,000 clean room
- **Material:** Polystyrene material complies with USP Class VI
- Sterile with a sterility assurance level (SAL) of 10^{-6}
- Certified non-pyrogenic to ≤ 0.1 EU/mL

WHEATON® PIPET-PAL™ CONTROLLER



APPLICATIONS

- For use with serological pipettes
- Culturing or planting cells
- Mixing cell suspensions
- Transferring cells and culture media

FEATURES & BENEFITS

- Lightweight (195 g) and well-balanced, making even prolonged pipetting very comfortable
- Quiet, robust pump for high pipetting speed
- Precise finger-control of pipetting enables accurate dispensing, even drop-by-drop
- Versatile for both fine dosing and gravimetric dispensing
- Designed for use with all serological pipettes in the volume range 1 mL to 100 mL
- Eliminate contamination with a replaceable, sterile filter
- Lithium-Polymer battery technology for long operating time
- Autoclavable pipette holder for cleanliness and safety
- Supplied with a universal power supply for worldwide use
- 1 year warranty
- Parts in contact with liquid flow are chemically inert, providing for stability and long instrument life.
- **Material:** Body: Polyamide. Nosepiece: Polyoxymethylene. Pipette mount: Silicone. Filter Rubber: Silicone

WHEATON® CRYOELITE® CRYOGENIC VIALS

APPLICATIONS

- Collection and storage of liquids and powders
- Biobanking

FEATURES & BENEFITS

- Freestanding or round bottom – round bottom vials allow for centrifugation up to 17,000 x g
- Unrivaled cap seal exceeds DOT and IATA regulations for transportation – ensures utmost protection during storage, transport and freeze-thaw cycles
- Loctagon™ Vial Skirt provides stability in freestanding position and locks into CryoELITE® Benchmate Rack in order to provide easy open and close with one hand
- Colored caps allow for color coding projects along with WHEATON® colored freezer and storage boxes
- Optional 2D Data Matrix Bar Code Insert provides unique identifier for traceability
- Bottom format allows unrestricted view of 2D bar code for convenient automated scanning
- **Material:** Low binding, cryogenic grade virgin polypropylene
- Lot certified DNase/RNase, endotoxin free, non-pyrogenic providing assurance for sample integrity
- Packed into sterile bags of 50
- Storage temperature range of -156 °C to 121 °C
- 1.2 mL to 5 mL volume



Colored caps
for color coding



2D Data Matrix
Bar Code Insert





TECHNICAL INFORMATION

CryoELITE®	
Material	Made from low binding, cryogenic grade virgin polypropylene
Temperature range	-156 °C to +121 °C, tested to -196 °C
Sterility	Lot Certified Sterile, Radiation Sterilization
DNase & RNase free	Lot Certified, Ethidium Bromide (EtBr) Agarose Gel Electrophoresis Analysis
Non-pyrogenic, endotoxin free	Lot Certified < 0.500 EU/mL (Kinetic Turbidimetric LAL Method, FDA guideline)
Seal psi	Exceeds 15 psi/1 atmosphere/95 kPa pressure tested
International Air Transportation Association (IATA)	Can be used as a primary receptacle for the Transport of Diagnostic Specimens as outlined by the IATA Dangerous Goods Regulations, Part 6.3,5
U.S. Department of Transportation (DOT)	Exceeds U.S. DOT 49 CFR Parts 171-180 requirements for Diagnostic Specimen Packing and Transportation Requirements
Liquid nitrogen	Liquid phase tested / Vapor phase accepted
Autoclavable	Recommended at +121 °C, 15 psi (1 bar) for 20 minutes
Cap pigmentation	Cap colors were chosen to ensure no reactivity with common biological samples
2D Data Matrix capacity	Numeric 16/Alphanumeric 10
2D Data Matrix symbol size	Row x Column: 14 x 14
CE IVD	Product is CE compliant to the European In Vitro Diagnostic (IVD) Medical Devices Directive 98/79/EC

WHEATON® CRYOELITE® TISSUES VIALS

APPLICATIONS

- Collection and storage of tissue samples
- Biobanking
- Forensics

FEATURES & BENEFITS

- Unrivaled cap seal exceeds DOT and IATA regulations for transportation – ensures utmost protection during storage, transport and freeze-thaw cycles
- Wide-mouth for easy insertion and removal of tissue sections with forceps
- **Material:** Low binding, cryogenic grade virgin polypropylene
- Lot certified DNase/RNase, endotoxin free, non-pyrogenic
- Packed into sterile bags of 25
- 5 mL volume



PYREX® BAFFLED FLASKS

APPLICATIONS

- Cell cultivation
- Colony propagation

FEATURES & BENEFITS

- The 4 equidistant baffles create greater agitation of the growth media to increase the gas exchange surface area and the oxygen uptake
- Fulfills USP/EP standards
- **Material:** USP/EP Type 1 borosilicate glass 3.3
- Autoclavable up to 121 °C
- Different versions of the flasks are available with plain neck with rim, Delong neck and GL 45 membrane screwcap
- **Size range:** 250 mL to 2000 mL



WHEATON® PETG MEDIA BOTTLES

APPLICATIONS

- Media preparation and storage

FEATURES & BENEFITS

- Leak resistant, safe alternative to glass
- Standard or tamper-evident seal
- Provided sterile (double-wrapped on cardboard tray)
- DNase/RNase free
- Tamper-resistant plastic seal around cap and bottle neck ensures product integrity prior to use
- PETG Resin meets ISO 10993 and/or USP Class VI biocompatibility requirements
- Food Contact Status compliant
- Recommended temperature range +70 °C to -40 °C
- **Material:** Clear PETG (Polyethylene Terephthalate Glycol)
- Not autoclavable
- **Size range:** 30 mL to 2 L





PYREX® GL MEDIA-LAB BOTTLES

! ESSENTIAL
FOR
CULTIVATION



APPLICATIONS

- Media preparation and storage
- Media sterilization
- Sample preparation

FEATURES & BENEFITS

- Useful manufacturing scale-up capacity options: 10 mL to 20000 mL
- Excellent thermal performance
- High resistance to chemical attack
- Retrace Coded for manufacturing lot traceability
- **Material:** USP/EP Type 1 borosilicate glass 3.3
- Fully autoclavable
- **Amber glass** versions meet UV protection USP <660>/EP 3.2.1 and USP <671> (Spectral Transmission) compliant

Also available:

- Innovative design GL56 Dual Position Media Bottle

PYREX®

CULTURE FLASKS & BOTTLES

APPLICATIONS

- Preparation and cultivation of microorganisms in nutrient media

FEATURES & BENEFITS

- Fulfills USP/EP standards
- **Material:** USP/EP Type 1 borosilicate glass 3.3
- Autoclavable up to 121 °C

Different culture flask designs are available:

- Delong plain neck conical flasks
- Fernbach flasks with Delong and screwcap necks
- Cylindrical shape flasks
- Roux flasks



MBL®

PASTEUR PIPETTES

APPLICATIONS

- For single use in microbiological and serological laboratories
- Ideal for distributing aliquot quantities of liquid

FEATURES & BENEFITS

- Unwadded glass Pasteur pipettes with short or long drawn fine tip
- **Material:** USP/EP Type 3 soda-lime glass
- Pipettes conform to ISO 7712
- Silicone and natural rubber teats are available separately





PYREX® PETRI DISHES

APPLICATIONS

- Biological and clinical research, cultivation of microorganisms
- Microscopy
- Storage

FEATURES & BENEFITS

- High inertness, no interaction between medium and glass
- Specially formed to ensure smooth even wall thickness and optical clarity
- **Material:** USP/EP Type 1 borosilicate glass 3.3



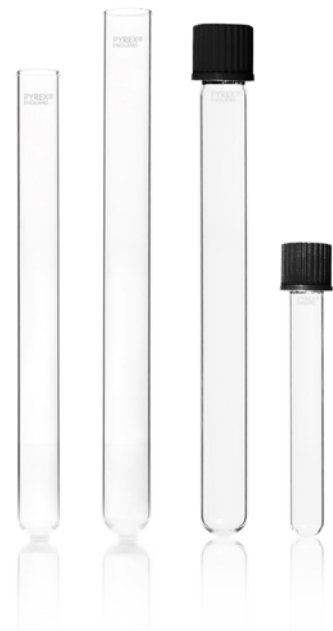
PYREX® CULTURE TUBES

APPLICATIONS

- Growing and storage of sterile cultures
- Culture of microorganisms

FEATURES & BENEFITS

- High inertness, no interaction between medium and glass
- Very smooth surfaces – well suited to microscopy
- **Material:** USP/EP Type 1 borosilicate glass 3.3
- Supplied with black SVL PBT screwcap with PTFE faced liner
- Autoclavable at 121 °C and can be dry heat sterilised 180 °C



WHEATON® SPINNER FLASKS

APPLICATIONS

- For suspension cell culture with a magnetic stirrer

FEATURES & BENEFITS

- Replacement impellers, caps and flasks available
- **Material:** Autoclavable borosilicate glass that conforms to USP Type I and ASTM E 438 Type I, Class A requirements
- **Size range:** 25 mL to 8 L



WHEATON® Double Sidearm Celstir® Spinner Flask

- Adjustable paddle impeller and sterile design as stirrer shaft does not protrude through cap
- 1:1 headspace ratio for ideal gas exchange
- Bottom dimple to reduce cell aggregation (dimple on 125 mL and larger flasks)



WHEATON® Magna Flex™ Microcarrier Spinner Flask

- Designed for microcarrier cultures with a magnetic stirrer
- 1:1 headspace ratio for ideal gas exchange
- Gentle stirring action provided by a bulb-shaped glass impeller



WHEATON® Jacketed Double Sidearm Celstir® Spinner Flask

- Adjustable paddle impeller and sterile design as stirrer shaft does not protrude through cap
- 360° water jacket for precise temperature control
- Inlet and outlet hose barb connections for 0.25" (6.35 mm) ID tubing

PERFECT COMBINATION



SPINNER FLASKS
AND
MAGNETIC STIRRER



WHEATON® MAGNETIC STIRRER

APPLICATIONS

- Cell culture
- General mixing use

FEATURES & BENEFITS

- Available in single and four place units
- For use in an incubator or sensitive cultures
- Programmable, remote control and alarm capable
- Complies with industry standards including UL, CSA, CE, WEEE and RoHs compliant



1-place unit



4-place unit



WHEATON® Micro-Stir® Magnetic Stirrer

Ideal for low speed shear sensitive mixing

Specification – Micro-Stir® Magnetic stirrer	
Operating speed	5-200 RPM
Maximum flask size	3 L Flask
Electrical	100-240 VAC, 50/60 Hz, 15 W, Class 2
Operating temperature	15 °C to 40 °C
Humidity	80% up to 31 °C, 50% at 40 °C
Altitude limit	2000 m
1-place unit	
Weight	4.5 lb (1.9 kg)
Dimensions [W x D x H]	3.6 x 8 x 9.8" (9.2 x 20.3 x 24.9 cm)
4-place unit	
Weight	10 lb (4.5 kg)
Dimensions [W x D x H]	4 x 15.5 x 17.5" (10.2 x 39.4 x 44.5 cm)

WHEATON® BioStir® Magnetic Stirrer

Ideal for general mixing and difficult to dissolve solutes

Specification – BioStir® Magnetic Stirrer	
Operating speed	150-1200 RPM
Maximum flask size	3 L Flask
Electrical	100-240 VAC, 50/60 Hz, 15 W, Class 2
Operating temperature	15 °C to 40 °C
Humidity	80% up to 31 °C, 50% at 40 °C
Altitude limit	2000 m
1-place unit	
Weight	4.5 lb (1.9 kg)
Dimensions [W x D x H]	3.6 x 8 x 9.8" (9.2 x 20.3 x 24.9 cm)
4-place unit	
Weight	10 lb (4.5 kg)
Dimensions [W x D x H]	4 x 15.5 x 17.5" (10.2 x 39.4 x 44.5 cm)



WHEATON® Remote Control Unit

- Ideal for sensitive procedures or difficult to reach areas
- Same interface layout as Micro-Stir® and BioStir® stirrers
- Slim communication cord; no power cord required

WHEATON® BENCH-TOP SYSTEM

APPLICATIONS

- Cell culture or staining procedures
- Small scale and pilot applications

FEATURES & BENEFITS

- Speed is controlled using rotary button
- Deck kits available to double or triple capacity
- No digital display



Mini Bottle deck kit



Small Bottle deck kit

WHEATON® Bench-Top System – Mini Bottle

Mini Bottle system allows for use with serum and media bottles as well as culture tubes (4 positions per deck)

Specification – Bench-Top System – Mini Bottle	
Capacity	4-12 Positions
Bottle speed	2-45 RPM (dependent on bottle size)
Bottle diameter	38-60 mm
Bottle length	up to 240 mm
Weight	18 lb (8 kg)
Dimensions [W x D x H]	12.25 x 12.75 x 7.125" (32 x 32.5 x 18 cm)
Operating temperature	10 °C to 40 °C
Humidity	80% up to 31 °C
Electrical	100-240 VAC, 50/60 Hz, 14 W

WHEATON® Bench-Top System – Small Bottle

Small Bottle system for use with glass or plastic roller bottles (2 positions per deck)

Specification – Bench-Top System – Small Bottle	
Capacity	2-6 Positions
Bottle speed	0.1-3.8 RPM (110 mm diameter bottle)
Bottle diameter	75-121 mm
Bottle length	up to 290 mm
Weight	18 lb (8 kg)
Dimensions [W x D x H]	12.25 x 12.75 x 7.125" (32 x 32.5 x 18 cm)
Operating temperature	10 °C to 40 °C
Humidity	80% up to 31 °C
Electrical	100-240 VAC, 50/60 Hz, 14 W

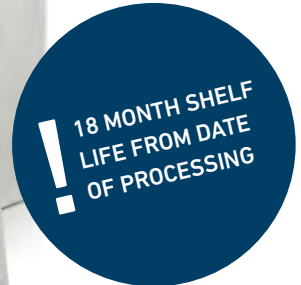


WHEATON® COMPLETEPAK™

READY-TO-USE INJECTION VIALS, STOPPERS AND SEALS

APPLICATIONS

- Drug discovery & research
- Stability studies
- Validation batch runs
- Pharma pilot batch fills
- Diagnostic kit reagents
- Compounding pharmaceuticals
- Aseptic filling of injectable drug products
- Freeze drying/lyophilized drug products
- Large and small molecule drug packaging



FEATURES & BENEFITS

- Sterilized, off-the-shelf, ready-to-use vial packaging system (clean – depyrogenated – sterile)
- Minimum 3 month shelf life from time of shipment
- 36 Kit combinations (vial + stopper + seal)
 - 2, 5, 10 mL serum vials in clear and amber
 - 3 stopper options: **Ultra Pure Serum Stopper**, **OmniFlex 3G Serum Stopper** or **OmniFlex 3G Igloo Lyo Stopper**
 - Flip seals in blue and red
- Complete manufacturing & certificate of analysis traceability
- **Certified according to:**
 - USP <788>/EP 2.9.19 Particulate Matter in Injections
 - USP <85>/EP 2.6.1 The Bacterial Endotoxins Test
 - USP <71>/EP 2.6.14 The Sterility Test
 - USP <660>/EP 3.2.1 Glass Containers for Pharmaceutical Use
 - USP <381>/EP 3.2.9 Elastomeric Closures used in Parenteral Preparations
- **CompletePAK Amber** for light sensitive content packaging

Materials:

- **Vials** are designed for parenteral applications and manufactured from low extractable borosilicate glass
- All **stoppers** are manufactured from an ultrapure bromobutyl latex free formulation with extremely high chemical purity and low gas permeability
- **OmniFlex stoppers** offer low levels of residual binding to maximize extraction of active pharmaceutical ingredients
- **OmniFlex stopper** elasticity delivers a more effective barrier to optimize container closure integrity and content protection
- **Igloo lyophilized stoppers** are suited for biologics and content with sensitivities to silicon

Enhancing the efficiency of drug discovery and drug compounding



Allowing you to focus on your core competencies







3

PRODUCTION & PACKAGING

- 28 WHEATON® Roller Bottles
- 28 WHEATON® Standard and R2P™ Roller
- 29 WHEATON® Standard and CO₂ Incubator
- 30 DURAN® PURE Bottles
- 31 WHEATON® Injection Vials & Bottles
- 31 WHEATON® Diagnostic Vials

WHEATON® ROLLER BOTTLES

APPLICATIONS

- Adherent cell roller culture
- Vaccine production
- To use with WHEATON® Roller Apparatus

FEATURES & BENEFITS

- Specifically designed for adherent cell roller culture
- Reusable roller bottles
- Glass is specially selected for optical clarity, interior surface smoothness, and the absence of glass imperfections
- Withstands repeated wet or dry sterilization cycles
- **Material:** Borosilicate glass 3.3 that conforms to USP Type I and ASTM E-438 Type I, Class A requirements
- Autoclavable
- Available in different sizes and with different cap configurations



WHEATON® STANDARD & R2P™ ROLLER APPARATUS

APPLICATIONS

- Cell culture
- Larger R&D facilities
- Large-scale vaccine production

FEATURES & BENEFITS

- Multiple decking and capacity configurations for high process flexibility
- Smooth ramping and digitally controlled rotation accurate to 0.01 RPM
- Top or bottom mount display for both roller apparatus available
- WHEATON® Standard Roller with bright LCD display
- WHEATON® R2P™ Roller with robust color touch screen

Specials of the R2P™ 2.0 System:

- Rotation alarm and temperature alarm ensures process conformity
- Capable of remote interface and monitoring through SCADA systems
- USB downloadable system event log for process documentation
- Readily recognized icons for intuitive navigation

Both roller apparatus are available in different sizes and with top or bottom mounted display.



Standard roller with LCD display

Top mount display



R2P™ 2.0 roller with touch screen



Specifications are listed on the ordering information page

WHEATON® STANDARD & CO₂ INCUBATOR

APPLICATIONS

- Cell cultivation
- Temperature dependent studies
- Larger R&D facilities
- Large-scale production
- To use with WHEATON® Roller Apparatus

FEATURES & BENEFITS

- Available as Standard or CO₂ Incubator
- **Compatible with:**
 - Production-spaced R2P™ 2.0 and Standard rollers with up to 11 decks
 - Modular-spaced R2P™ 2.0 and Standard rollers with up to 9 decks
 - Designed specifically for use with WHEATON® Roller Culture Apparatus
- Independent over-temperature safety protection
- Designed for temperature uniformity
- Large viewing window in the door with an option for dual windows
- Conforms to UL, CSA, and CE Standards
- Dry contact alarm port available for communicating alarm activation instances
- Internal electrical outlet for accessories
- USB port and analog 4-20 mA jack included for data logging temperature levels
- User configurable shelving system and roller apparatus guide tracks (shelving sold separately)

CO₂ Incubator only:

- Infrared sensor technology to maintain 0 to 20% CO₂ concentration
- Stainless steel interior



PERFECT COMBINATION



ROLLER BOTTLES



ROLLER APPARATUS



INCUBATOR

DESIGNED SPECIFICALLY
FOR USE WITH WHEATON®
STANDARD ROLLER AND
R2P™ ROLLER APPARATUS

DURAN® PURE BOTTLES THE API BOTTLE SYSTEM

APPLICATIONS

- GMP manufacturing of pharmaceutical drugs and biotech products
- Storage and transport of APIs, bulk drug intermediates, excipients and media

FEATURES & BENEFITS

- Broad size range from 25 mL - 20 L, clear glass and amber colored bottles
- Available bottle neck sizes GL 25, GL 45 and GLS 80®
- Protective cover prevents contamination during storage and transport
- DURAN® PURE screw caps: made from chemically and thermally resistant polymers, produced in clean rooms
- Single batch delivery
- Certificate of Analysis
- 100% traceability
- Change control
- Drug Master File
- **Material:** USP/EP Type I borosilicate glass

Protective cover



Premium Screw Caps
GL 25 and GL 45
made from PFA with
PTFE coated silicone seal



Premium Lip Seal Cap
GL 45
made from PFA



GLS 80® Screw Cap
made from PSU with
PTFE coated silicone seal



! ESSENTIAL FOR
PHARMACEUTICAL
PRODUCTION



DURAN®
PURE





WHEATON® INJECTION VIALS & BOTTLES

APPLICATIONS

- Primary packaging
- Long-term sample storage
- Lyophilization (freeze drying)
- Diagnostic reagents & standards
- Chromatography

FEATURES & BENEFITS

- Specially designed bottom radius for lyophilization
- Crimp top finish (seal and stopper needed)
- **Material:**
 - Serum vials made from clear or amber tubular USP/EP Type I borosilicate glass for excellent clarity and dimensional consistency and lighter weight compared to molded bottles
 - Serum bottles made from clear or amber molded USP/EP Type I borosilicate glass
- **Sizes range:** 2 mL to 20 mL for tubing vials
- **Sizes range:** 2 mL to 125 mL for bottles



WHEATON® DIAGNOSTIC VIALS

APPLICATIONS

- Diagnostics
- Lyophilization (freeze drying)
- Small volume pharmaceuticals
- Sample storage

FEATURES & BENEFITS

- Alternative to serum bottles and vials
- Controlled inner bore ensures an excellent fit with all styles of lyophilisation stoppers
- Specially designed freeze dry base facilitates their use in lyophilisation processes
- **Material:** Clear or amber USP/EP Type I borosilicate glass or PET
- **Size range:** 3 mL to 30 mL
- Autoclavable

Choice of different closure options:

- Solid top colored caps, available in either polypropylene or urea, for use with lyophilisation stoppers, allowing for differentiation of reagents in diagnostic kits
- WHEATON® I-Loc™ polypropylene closures which feature a unique integrated gray bromobutyl/50 stopper
- WHEATON® I-Loc™ polypropylene open top closures for use with thin flange stoppers



ORDERING INFORMATION

**SAMPLE COLLECTION &
DIAGNOSTICS**

**RESEARCH &
DEVELOPME**



- 34 WHEATON® Sample Containers**
- 35 WHEATON® Specimen Bags**
- 35 WHEATON® Centrifuge Tubes**
- 35 AZLON® Wash Bottles**
- 36 WHEATON® Dropping Bottles**
- 42 WHEATON® Loops and Spreaders**
- 42 WHEATON® Plastic Pasteur Pipettes**

NT

PRODUCTION & PACKAGING

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43 WHEATON® CELLine™ Bioreactor Flask

43 WHEATON® Serological Pipettes

44 WHEATON® PIPET-PAL™ Controller

44 WHEATON® CryoELITE® Cryogenic Vials

45 WHEATON® CryoELITE® Tissues Vials

46 PYREX® Baffled Flasks

46 WHEATON® PETG Media Bottles

47 PYREX® GL Media-Lab Bottles

48 PYREX® Culture Flasks and Bottles

48 MBL® Pasteur Pipettes

49 PYREX® Petri Dishes

49 PYREX® Culture Tubes

50 WHEATON® Spinner Flasks

51 WHEATON® Magnetic Stirrer

52 WHEATON® Bench-Top System

52 WHEATON® CompletePAK™

54 WHEATON® Roller Bottles

55 WHEATON® Standard and R2P™ Roller

57 WHEATON® Standard and CO₂ Incubator

58 DURAN® PURE Bottles

59 WHEATON® Injection Vials and Bottles

60 WHEATON® Diagnostic Vials

ORDERING INFORMATION

SAMPLE COLLECTION & DIAGNOSTICS



WHEATON® SAMPLE CONTAINERS

Description	Capacity [mL]	Cap material	Diameter x height [mm]	Label	Sterile	Inner Pack Qty	Pack Qty	Cat. No.
Bijou, polystyrene without label, sterile	7	Polypropylene	22.5 x 50.2	No	EtO	700	700	327145
Bijou, polystyrene with plain label, sterile	7	Polypropylene	22.5 x 50.2	Plain	EtO	700	700	327147
Polypropylene universal container without label, sterile	30	Polypropylene	30.5 x 93.5	No	EtO	50	400	327151PP
Polypropylene universal container with plain label, sterile	30	Polypropylene	30.5 x 93.5	Plain	EtO	50	400	327150PP
Polypropylene universal container with printed label, sterile	30	Polypropylene	30.5 x 93.5	Printed	EtO	50	400	327152PP
Polystyrene universal container without label, sterile	30	Polypropylene	30.5 x 93.5	No	EtO	50	400	327151
Polystyrene universal container with plain label, sterile	30	Polypropylene	30.5 x 93.5	Plain	EtO	50	400	327150
Polystyrene universal container with printed label, sterile	30	Polypropylene	30.5 x 93.5	Printed	EtO	50	400	327152
Polypropylene container with printed label, plastic cap, sterile	60	Polypropylene	44.2 x 60.2	Printed	EtO	50	300	360103PP
Polystyrene container without label, metal cap, sterile	60	Metal	44.2 x 60.2	No	EtO	50	300	360100
Polystyrene container without label, plastic cap, sterile	60	Polypropylene	44.2 x 60.2	No	EtO	50	300	360102
Polystyrene container with plain label, metal cap, sterile	60	Metal	44.2 x 60.2	Plain	EtO	50	300	360099
Polystyrene container with plain label, plastic cap, sterile	60	Polypropylene	44.2 x 60.2	Plain	EtO	50	300	360104
Polystyrene container with printed label, metal cap, sterile	60	Metal	44.2 x 60.2	Printed	EtO	50	300	360101
Polystyrene container with printed label, plastic cap, sterile	60	Polypropylene	44.2 x 60.2	Printed	EtO	50	300	360103
Polystyrene container without label, metal cap, sterile	100	Metal	49.8 x 75.8	No	EtO	40	200	360200
Polystyrene container with plain label, metal cap, sterile	100	Metal	49.8 x 75.8	Plain	EtO	40	200	360199
Polystyrene container with printed label, metal cap, sterile	100	Metal	49.8 x 75.8	Printed	EtO	40	200	360201
Polystyrene container with printed label, metal cap, sterile	150	Metal	54.9 x 109.5	Printed	EtO	30	120	360206
Polystyrene container with printed label, metal cap, sterile	250	Metal	63.4 x 121.2	Printed	EtO	25	50	360250

WHEATON® SPECIMEN BAGS

Description	Bag material	Label	Width x length [mm]	Inner Pack Qty	Pack Qty	Cat. No.
Specimen bag with document wallet and biohazard label	LDPE	Biohazard	150 x 140	100	1000	370150
Specimen bag with document wallet and biohazard label	LDPE	Biohazard	150 x 225	50	1000	370155
Specimen bag with document wallet	LDPE	Plain	150 x 140	100	1000	370160
Specimen bag with document wallet	LDPE	Plain	150 x 225	50	1000	370170

WHEATON® CENTRIFUGE TUBES

Description	Capacity [mL]	Diameter x height [mm]	Cap material	Sterile	Tube material	Inner Pack Qty	Pack Qty	Cat. No.
Centrifuge tube with conical bottom, graduated, bagged	15	17 x 121	HDPE	EtO	Polypropylene	50	500	380220
Centrifuge tube with conical bottom, graduated, racked	15	17 x 121	HDPE	EtO	Polypropylene	50	500	380230
Centrifuge tube with conical bottom, graduated, bagged	50	29 x 115	HDPE	EtO	Polypropylene	25	500	380100
Centrifuge tube with conical bottom, graduated, racked	50	29 x 115	HDPE	EtO	Polypropylene	25	500	380110
Centrifuge tube with conical bottom, self-standing, bagged	50	29 x 115	HDPE	EtO	Polypropylene	25	500	380240

AZLON® WASH BOTTLES

Description	Capacity [mL]	Printing label	Material	Pack Qty	Cat. No.
AZLON® MULTI-LINGUAL SAFETY VENTING WASH BOTTLE					
Multi-lingual safety venting wash bottle	250	Ethanol	LDPE	5	WGW535VTML
Multi-lingual safety venting wash bottle	500	Ethanol	LDPE	5	WGW541VTML
AZLON® MULTI-LINGUAL WASH BOTTLES					
Multi-lingual wash bottles	250	Ethanol	LDPE	5	WGW535PML
Multi-lingual wash bottles	500	Ethanol	LDPE	5	WGW541PML
AZLON® WASH BOTTLE DESIGNED TO PROTECT LIGHT SENSITIVE BLEACH					
Wash bottle, LDPE, designed to protect light sensitive bleach	500	Sodium Hypochlorite	LDPE	5	WGW401PML
AZLON® CLASSIC STYLE WASH BOTTLES					
Azlon® Classic style, narrow neck wash bottles	250	Plain	LDPE	5	WGF230P
Azlon® Classic style, narrow neck wash bottles	500	Plain	LDPE	5	WGF236P
AZLON® MULTI-LINGUAL ROUND INTEGRAL WASH BOTTLE					
Multi-lingual Round Integral wash bottle	500	Ethanol	LDPE	5	WGW805P

WHEATON® DROPPING BOTTLES

Description	Bottle color	Capacity [mL]	Diameter x height [mm]	Cap size	Material	Inner Pack Qty	Pack Qty	Cat. No.
WHEATON® DROPPING BOTTLE, NATURAL, WITH TIP & CAP								
Dropping bottle with natural tip & natural cap	Natural	7	19 x 63	15-415	LDPE	12	144	211603
Dropping bottle with natural tip & natural cap	Natural	15	25 x 78	15-415	LDPE	12	144	211604
Dropping bottle with natural tip & natural cap	Natural	30	32 x 85	20-410	LDPE	12	144	211605
Dropping bottle with natural tip & natural cap	Natural	60	39 x 101	20-410	LDPE	12	144	211606
Dropping bottle with natural tip & natural cap	Natural	125	47 x 125	20-410	LDPE	6	72	W211607

Packaging details: Bottles, tips and caps are packaged separately

WHEATON® DROPPING BOTTLE, WITH TIP & CAP								
Dropping bottle with natural tip & white cap	Natural	3	14 x 49	8-425	LDPE	12	144	211630
Dropping bottle with natural tip & white cap	White	3	14 x 49	8-425	LDPE	12	144	211620
Dropping bottle with natural tip & white cap	Natural	6	17 x 58	13-425	LDPE	12	144	211631
Dropping bottle with natural tip & white cap	White	6	17 x 58	13-425	LDPE	12	144	211621
Dropping bottle with natural tip & white cap	Natural	7	19 x 63	15-415	LDPE	12	144	211632
Dropping bottle with natural tip & white cap	White	7	19 x 63	15-415	LDPE	12	144	211622
Dropping bottle with natural tip & white cap	Natural	15	25 x 78	15-415	LDPE	12	144	211633
Dropping bottle with natural tip & white cap	White	15	25 x 78	15-415	LDPE	12	144	211623
Dropping bottle with natural tip & white cap	Natural	30	32 x 85	20-410	LDPE	12	144	211634
Dropping bottle with natural tip & white cap	White	30	32 x 85	20-410	LDPE	12	144	211624
Dropping bottle with natural tip & white cap	Natural	60	39 x 101	20-410	LDPE	12	144	211635
Dropping bottle with natural tip & white cap	White	60	39 x 101	20-410	LDPE	12	144	211625
Dropping bottle with natural tip & white cap	Natural	125	47 x 125	20-410	LDPE	6	72	W211636
Dropping bottle with natural tip & white cap	White	125	47 x 125	20-410	LDPE	6	72	W211626

Packaging details: Bottles, tips and caps are packaged separately

Description	Bottle color	Capacity [mL]	Diameter x height [mm]	Cap size	Material	Pack Qty	Cat. No.
WHEATON® DROPPING BOTTLE ONLY							
Dropping bottle	Natural	3	14 x 39	8-425	LDPE	100	W242821
Dropping bottle, pack of 1000	Natural	3	14 x 39	8-425	LDPE	1000	W242821-A
Dropping bottle	White	3	14 x 39	8-425	LDPE	100	W242831
Dropping bottle, pack of 1000	White	3	14 x 39	8-425	LDPE	1000	W242831-A
Dropping bottle	Natural	6	18 x 42	13-425	LDPE	100	W242822
Dropping bottle, pack of 1000	Natural	6	18 x 42	13-425	LDPE	1000	W242822-A
Dropping bottle	White	6	18 x 42	13-425	LDPE	100	W242832
Dropping bottle, pack of 1000	White	6	18 x 42	13-425	LDPE	1000	W242832-A
Dropping bottle	Natural	7	19 x 51	15-415	LDPE	100	W242823
Dropping bottle, pack of 1000	Natural	7	19 x 51	15-415	LDPE	1000	W242823-A
Dropping bottle	White	7	19 x 51	15-415	LDPE	100	W242833
Dropping bottle, pack of 1000	White	7	19 x 51	15-415	LDPE	1000	W242833-A
Dropping bottle	Natural	10	25 x 46	15-415	LDPE	100	W242824
Dropping bottle, pack of 1000	Natural	10	25 x 46	15-415	LDPE	1000	W242824-A
Dropping bottle	White	10	25 x 46	15-415	LDPE	100	W242834
Dropping bottle, pack of 1000	White	10	25 x 46	15-415	LDPE	1000	W242834-A
Dropping bottle	Natural	15	25 x 66	15-415	LDPE	100	W242825
Dropping bottle, pack of 1000	Natural	15	25 x 66	15-415	LDPE	1000	W242825-A
Dropping bottle	White	15	25 x 66	15-415	LDPE	100	W242835
Dropping bottle, pack of 1000	White	15	25 x 66	15-415	LDPE	1000	W242835-A
Dropping bottle	Natural	30	32 x 70	20-410	LDPE	100	W242826
Dropping bottle, pack of 1000	Natural	30	32 x 70	20-410	LDPE	1000	W242826-A
Dropping bottle	White	30	32 x 70	20-410	LDPE	100	W242836
Dropping bottle, pack of 1000	White	30	32 x 70	20-410	LDPE	1000	W242836-A
Dropping bottle	Natural	60	39 x 85	20-410	LDPE	100	W242827
Dropping bottle	White	60	39 x 85	20-410	LDPE	100	W242837
Dropping bottle	Natural	125	47 x 108	20-410	LDPE	100	W242829
Dropping bottle	White	125	47 x 108	20-410	LDPE	100	W242839

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WHEATON® DROPPER TIP FOR DROPPING BOTTLES

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Description	Tip color	Tip size [mm]	Material	Pack Qty	Cat. No.
WHEATON® EXTENDED CONTROLLED DROPPER TIP					
extended controlled dropper tip	Natural	8	LDPE	100	242401-01
	Pink	8	LDPE	100	242401
	Red	8	LDPE	100	242402
	Orange	8	LDPE	100	242403
	Blue	8	LDPE	100	242404
	Gray	8	LDPE	100	242405
	Green	8	LDPE	100	242406
	Purple	8	LDPE	100	242407
	Yellow	8	LDPE	100	242408
	White	8	LDPE	100	242410
	extended controlled dropper tip, pack of 1000	Natural	8	LDPE	1000
Pink		8	LDPE	1000	242401-A
Red		8	LDPE	1000	242402-A
Orange		8	LDPE	1000	242403-A
Blue		8	LDPE	1000	242404-A
Gray		8	LDPE	1000	242405-A
Green		8	LDPE	1000	242406-A
Purple		8	LDPE	1000	242407-A
Yellow		8	LDPE	1000	242408-A
White		8	LDPE	1000	242410-A
extended controlled dropper tip		Natural	13	LDPE	100
	Pink	13	LDPE	100	242411
	Red	13	LDPE	100	242412
	Orange	13	LDPE	100	242413
	Blue	13	LDPE	100	242414
	Gray	13	LDPE	100	242415
	Green	13	LDPE	100	242416
	Purple	13	LDPE	100	242417
	Yellow	13	LDPE	100	242418
	White	13	LDPE	100	242420
	extended controlled dropper tip, pack of 1000	Natural	13	LDPE	1000
Pink		13	LDPE	1000	242411-A
Red		13	LDPE	1000	242412-A
Orange		13	LDPE	1000	242413-A
Blue		13	LDPE	1000	242414-A
Gray		13	LDPE	1000	242415-A
Green		13	LDPE	1000	242416-A
Purple		13	LDPE	1000	242417-A
Yellow		13	LDPE	1000	242418-A
White		13	LDPE	1000	242420-A

Description	Tip color	Tip size [mm]	Material	Pack Qty	Cat. No.
extended controlled dropper tip	Natural	15	LDPE	100	242421-01
	Pink	15	LDPE	100	242421
	Red	15	LDPE	100	242422
	Orange	15	LDPE	100	242423
	Blue	15	LDPE	100	242424
	Gray	15	LDPE	100	242425
	Green	15	LDPE	100	242426
	Purple	15	LDPE	100	242427
	Yellow	15	LDPE	100	242428
	White	15	LDPE	100	242430
extended controlled dropper tip, pack of 1000	Natural	15	LDPE	1000	242421-01-A
	Pink	15	LDPE	1000	242421-A
	Red	15	LDPE	1000	242422-A
	Orange	15	LDPE	1000	242423-A
	Blue	15	LDPE	1000	242424-A
	Gray	15	LDPE	1000	242425-A
	Green	15	LDPE	1000	242426-A
	Purple	15	LDPE	1000	242427-A
	Yellow	15	LDPE	1000	242428-A
	White	15	LDPE	1000	242430-A
extended controlled dropper tip	Natural	20	LDPE	100	242431-01
	Pink	20	LDPE	100	242431
	Red	20	LDPE	100	242432
	Orange	20	LDPE	100	242433
	Blue	20	LDPE	100	242434
	Green	20	LDPE	100	242436
	Purple	20	LDPE	100	242437
	Yellow	20	LDPE	100	242438
	White	20	LDPE	100	242440
	extended controlled dropper tip, pack of 1000	Natural	20	LDPE	1000
Pink		20	LDPE	1000	242431-A
Red		20	LDPE	1000	242432-A
Orange		20	LDPE	1000	242433-A
Blue		20	LDPE	1000	242434-A
Green		20	LDPE	1000	242436-A
Purple		20	LDPE	1000	242437-A
Yellow		20	LDPE	1000	242438-A
White		20	LDPE	1000	242440-A

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WHEATON® DROPPER TIP CAP FOR DROPPING BOTTLES

CONTINUED

Description	Cap color	Cap size	Material	Pack Qty	Cat. No.
WHEATON® DROPPER TIP CAP					
Dropper tip cap	Natural	8-425	Radiation grade polypropylene	100	242401-01
	Pink	8-425	Radiation grade polypropylene	100	242401
	Red	8-425	Radiation grade polypropylene	100	242402
	Orange	8-425	Radiation grade polypropylene	100	242403
	Blue	8-425	Radiation grade polypropylene	100	242404
	Gray	8-425	Radiation grade polypropylene	100	242405
	Green	8-425	Radiation grade polypropylene	100	242406
	Purple	8-425	Radiation grade polypropylene	100	242407
	Yellow	8-425	Radiation grade polypropylene	100	242408
	White	8-425	Radiation grade polypropylene	100	242410
Dropper tip cap, pack of 1000	Natural	8-425	Radiation grade polypropylene	1000	242501-01-A
	Pink	8-425	Radiation grade polypropylene	1000	242501-A
	Red	8-425	Radiation grade polypropylene	1000	242502-A
	Orange	8-425	Radiation grade polypropylene	1000	242503-A
	Blue	8-425	Radiation grade polypropylene	1000	242504-A
	Gray	8-425	Radiation grade polypropylene	1000	242505-A
	Green	8-425	Radiation grade polypropylene	1000	242506-A
	Purple	8-425	Radiation grade polypropylene	1000	242507-A
	Yellow	8-425	Radiation grade polypropylene	1000	242508-A
	White	8-425	Radiation grade polypropylene	1000	242510-A
Dropper tip cap	Natural	13-425	Radiation grade polypropylene	100	242531-01
	Pink	13-425	Radiation grade polypropylene	100	242531
	Red	13-425	Radiation grade polypropylene	100	242532
	Orange	13-425	Radiation grade polypropylene	100	242533
	Blue	13-425	Radiation grade polypropylene	100	242534
	Gray	13-425	Radiation grade polypropylene	100	242535
	Green	13-425	Radiation grade polypropylene	100	242536
	Purple	13-425	Radiation grade polypropylene	100	242537
	Yellow	13-425	Radiation grade polypropylene	100	242538
	White	13-425	Radiation grade polypropylene	100	242540
Dropper tip cap, pack of 1000	Natural	13-425	Radiation grade polypropylene	1000	242531-01-A
	Pink	13-425	Radiation grade polypropylene	1000	242531-A
	Red	13-425	Radiation grade polypropylene	1000	242532-A
	Orange	13-425	Radiation grade polypropylene	1000	242533-A
	Blue	13-425	Radiation grade polypropylene	1000	242534-A
	Gray	13-425	Radiation grade polypropylene	1000	242535-A
	Green	13-425	Radiation grade polypropylene	1000	242536-A
	Purple	13-425	Radiation grade polypropylene	1000	242537-A
	Yellow	13-425	Radiation grade polypropylene	1000	242538-A
	White	13-425	Radiation grade polypropylene	1000	242540-A

Description	Cap color	Cap size	Material	Pack Qty	Cat. No.
Dropper tip cap	Natural	15-415	Radiation grade polypropylene	100	242511-01
	Pink	15-415	Radiation grade polypropylene	100	242511
	Red	15-415	Radiation grade polypropylene	100	242512
	Orange	15-415	Radiation grade polypropylene	100	242513
	Blue	15-415	Radiation grade polypropylene	100	242514
	Gray	15-415	Radiation grade polypropylene	100	242515
	Green	15-415	Radiation grade polypropylene	100	242516
	Purple	15-415	Radiation grade polypropylene	100	242517
	Yellow	15-415	Radiation grade polypropylene	100	242518
	White	15-415	Radiation grade polypropylene	100	242520
	Dropper tip cap, pack of 1000	Natural	15-415	Radiation grade polypropylene	1000
Pink		15-415	Radiation grade polypropylene	1000	242511-A
Red		15-415	Radiation grade polypropylene	1000	242512-A
Orange		15-415	Radiation grade polypropylene	1000	242513-A
Blue		15-415	Radiation grade polypropylene	1000	242514-A
Gray		15-415	Radiation grade polypropylene	1000	242515-A
Green		15-415	Radiation grade polypropylene	1000	242516-A
Purple		15-415	Radiation grade polypropylene	1000	242517-A
Yellow		15-415	Radiation grade polypropylene	1000	242518-A
White		15-415	Radiation grade polypropylene	1000	242520-A
Dropper tip cap		Natural	20-410	Radiation grade polypropylene	100
	Pink	20-410	Radiation grade polypropylene	100	242521
	Red	20-410	Radiation grade polypropylene	100	242522
	Orange	20-410	Radiation grade polypropylene	100	242523
	Blue	20-410	Radiation grade polypropylene	100	242524
	Gray	20-410	Radiation grade polypropylene	100	242525
	Green	20-410	Radiation grade polypropylene	100	242526
	Purple	20-410	Radiation grade polypropylene	100	242527
	Yellow	20-410	Radiation grade polypropylene	100	242528
	White	20-410	Radiation grade polypropylene	100	242530
	Dropper tip cap, pack of 1000	Natural	20-410	Radiation grade polypropylene	1000
Pink		20-410	Radiation grade polypropylene	1000	242521-A
Red		20-410	Radiation grade polypropylene	1000	242522-A
Orange		20-410	Radiation grade polypropylene	1000	242523-A
Blue		20-410	Radiation grade polypropylene	1000	242524-A
Gray		20-410	Radiation grade polypropylene	1000	242525-A
Green		20-410	Radiation grade polypropylene	1000	242526-A
Purple		20-410	Radiation grade polypropylene	1000	242527-A
Yellow		20-410	Radiation grade polypropylene	1000	242528-A
White		20-410	Radiation grade polypropylene	1000	242530-A

WHEATON®

LOOPS & SPREADERS

Description	Length [mm]	Material	Volume [µL]	Sterile	Inner Pack Qty	Pack Qty	Cat. No.
WHEATON® INOCULATION LOOPS							
Inoculation loop 1 µL	170	ABS	1	Yes	1000	6000	711305
Inoculation loop 1 µL	199	ABS	1	Yes	1000	6000	711310
Inoculation loop 10 µL	172	ABS	10	Yes	1000	6000	711315
Inoculation loop 10 µL	199	ABS	10	Yes	1000	6000	711300
WHEATON® INOCULATION SPREADER							
Inoculation spreader L-shape				Yes	5	500	711420

WHEATON®

PLASTIC PASTEUR PIPETTES

Description	Capacity [mL]	Sterile	Inner Pack Qty	Pack Qty	Cat. No.
Fine tip micro-pasteur pipette	1.5	No	500	3000	711117MF/3000
Fine tip pasteur pipette	5	No	500	3000	711117F
Fine tip pasteur pipette, individually wrapped	5	Yes	1	500	711117F1S
Fine tip pasteur pipette, 10's	5	Yes	10	1500	711117F10S
Fine tip pasteur pipette, 20's	5	Yes	20	1500	711117F20S
1 mL graduated pasteur pipette	5	No	500	3000	711115
1 mL graduated pasteur pipette, individually wrapped	5	Yes	1	500	726129
1 mL graduated pasteur pipette, 10's	5	Yes	10	1500	711117S/10
1 mL graduated pasteur pipette, 20's	5	Yes	20	1500	711117S/20
3 mL graduated pasteur pipette	7	No	500	3000	711116
3 mL graduated pasteur pipette, individually wrapped	7	Yes	1	500	726128
3 mL graduated pasteur pipette, 10's	7	Yes	10	1500	711118S/10
3 mL graduated pasteur pipette, 20's	7	Yes	20	1500	711118S/20
Jumbo pasteur pipette	23	No	100	600	711230

ORDERING INFORMATION RESEARCH & DEVELOPMENT

2

WHEATON® CELLINE™ BIOREACTOR FLASK

Description	Culture type	Media compartment size [mL]	Cell compartment size [mL]	Pack Qty	Cat. No.
CELLine 350	Suspension	350	5	1	WCL0350-1
CELLine 350	Suspension	350	5	5	WCL0350-5
CELLine 1000	Suspension	1000	15	1	WCL1000-1
CELLine 1000	Suspension	1000	15	3	WCL1000-3
CELLine 1000-AD	Adherent	1000	15	1	WCL1000AD-1
CELLine 1000-AD	Adherent	1000	15	3	WCL1000AD-3

WHEATON® SEROLOGICAL PIPETTES

Description	Color	Capacity [mL]	Graduation intervals [mL]	Negative graduations [mL]	Inner Pack Qty	Pack Qty	Cat. No.
Individually wrapped – Sterile serological pipettes in easy open paper/ plastic peel packaging	Red	1	0.1	0.3	200	1000	56900-1110
	Yellow	1	0.01	0.3	200	1000	56900-11100
	White	2	0.01	0.3	125	500	56900-21100
	Blue	5	0.1	2	50	200	56900-5110
	Orange	10	0.1	3	50	200	56900-10110
	Green	25	0.2	10	50	200	56900-25210
	Purple	50	0.5	10	25	100	56900-50510
Multipack – Sterile serological pipettes packed in plastic bag	Red	1	0.1	0.3	25	1000	56800-1110
	Yellow	1	0.01	0.3	25	1000	56800-11100
	White	2	0.01	0.3	25	500	56800-21100
	Blue	5	0.1	2	25	500	56800-5110
	Orange	10	0.1	3	25	500	56800-10110
	Orange	10	0.1	3	25	500	56825-10110
	Green	25	0.2	10	10	200	56800-25210
	Purple	50	0.5	10	10	100	56800-50510
Canister pack – Sterile serological pipettes packed into a cardboard canister with tear perforations for ease of opening and reclosing	Yellow	1	0.01	0.3	50	500	56700-11100
	White	2	0.01	0.3	50	500	56700-21100
	Blue	5	0.1	2	50	500	56700-5110
	Orange	10	0.1	3	50	500	56700-10110

Description	Height x Width x Depth [cm]	Material	Pack Qty	Cat. No.
Pipette Rack for Serological Pipettes	41 x 9 x 29	Heavy-duty clear-view acrylic	1	72190-0000

WHEATON® PIPET-PAL™ CONTROLLER

Description	Pack Qty	Cat. No.
PIPET-PAL controller, translucent blue	1	W155091
PIPET-PAL wall mount	1	W155521
Replacement PTFE filters, 0.45 µm, non-sterile	10	W153016
Replacement PTFE filters, 0.45 µm, sterile	10	W153015
Replacement PTFE filters, 0.20 µm, non-sterile	10	W156607
Replacement PTFE filters, 0.20 µm, sterile	10	W156608

WHEATON® CRYOELITE® CRYOGENIC VIALS*

Description	Capacity [mL]	Cap color	Diameter x height [mm]	Writing patch	Sterile	Pack Qty	Cat. No.	
WHEATON® CRYOELITE® CRYOGENIC VIALS – FREESTANDING								
internal thread	1.2	Natural	12 x 40	Yes	Yes	500	W985915	
	2	Natural	12 x 50	Yes	No	1000	W985902	
	2	Natural	12 x 50	No	No	1000	W985903	
	2	Natural	12 x 50	Yes	Yes	500	W985922	
	2	White	12 x 50	Yes	Yes	500	W985916	
	2	Red	12 x 50	Yes	Yes	500	W985917	
	2	Pink	12 x 50	Yes	Yes	500	W985918	
	2	Yellow	12 x 50	Yes	Yes	500	W985919	
	2	Green	12 x 50	Yes	Yes	500	W985920	
	2	Blue	12 x 50	Yes	Yes	500	W985921	
	3	Natural	12 x 63	Yes	Yes	500	W985923	
	4	Natural	12 x 77	Yes	Yes	500	W985924	
	5	Natural	12 x 91	Yes	Yes	500	W985925	
	external thread	0.5	White	12 x 49	Yes	Yes	500	W985874
		1.2	Natural	12 x 37	Yes	Yes	500	W985862
1.2		White	12 x 37	Yes	Yes	500	W985883	
1.2		Red	12 x 37	Yes	Yes	500	W985884	
1.2		Pink	12 x 37	Yes	Yes	500	W985885	
1.2		Yellow	12 x 37	Yes	Yes	500	W985886	
1.2		Green	12 x 37	Yes	Yes	500	W985887	
1.2		Blue	12 x 37	Yes	Yes	500	W985888	
2		Natural	12 x 49	Yes	Yes	1000	W985852	
2		Natural	12 x 49	No	No	1000	W985853	
2		Natural	12 x 49	Yes	Yes	500	W985872	
2		White	12 x 49	Yes	Yes	500	W985863	
2		Red	12 x 49	Yes	Yes	500	W985864	
2		Pink	12 x 49	Yes	Yes	500	W985865	
2		Yellow	12 x 49	Yes	Yes	500	W985866	
2		Green	12 x 49	Yes	Yes	500	W985867	

Description	Capacity [mL]	Cap color	Diameter x height [mm]	Writing patch	Sterile	Pack Qty	Cat. No.
external thread	2	Blue	12 x 49	Yes	Yes	500	W985868
	3	Natural	12 x 63	Yes	Yes	500	W985869
	4	Natural	12 x 78	Yes	Yes	500	W985870
	5	Natural	12 x 93	Yes	Yes	500	W985871

WHEATON® CRYOELITE® CRYOGENIC VIALS – ROUND BOTTOM

internal thread	1.2	Natural	12 x 39	Yes	Yes	500	W985910
	2	Natural	12 x 49	Yes	Yes	500	W985911
	2	Natural	12 x 49	Yes	No	1000	W985900
	2	Natural	12 x 49	No	No	1000	W985901
	3	Natural	12 x 63	Yes	Yes	500	W985912
	4	Natural	12 x 76	Yes	Yes	500	W985913
	5	Natural	12 x 90	Yes	Yes	500	W985914
external thread	1.2	Natural	12 x 35	Yes	Yes	500	W985860
	2	Natural	12 x 49	Yes	Yes	500	W985861
	2	Natural	12 x 49	Yes	No	1000	W985850
	2	Natural	12 x 49	No	No	1000	W985851

WHEATON® CRYOELITE® CRYOGENIC VIALS – SHELF PACKS

2	White	12 x 49	Yes	Yes	100	W985863-100
2	Red	12 x 49	Yes	Yes	100	W985864-100
2	Pink	12 x 49	Yes	Yes	100	W985865-100
2	Yellow	12 x 49	Yes	Yes	100	W985866-100
2	Green	12 x 49	Yes	Yes	100	W985867-100
2	Blue	12 x 49	Yes	Yes	100	W985868-100
2	Natural	12 x 49	Yes	Yes	100	W985872-100

* for Barcoding solutions please see <https://www.dwk.com/wheaton-cryoelite-2d-data-matrix-barcode-bottom-inserts>

WHEATON® CRYOELITE® TISSUES VIALS

Description	Capacity [mL]	Cap color	Diameter x height [mm]	Sterile	Pack Qty	Cat. No.
CryoELITE® Tissue Vial	5	White	22 x 24	Yes	250	W985100

PYREX® BAFFLED FLASK

Description	Capacity [mL]	Outer diameter [mm]	Height [mm]	Pack Qty	Cat. No.
With plain neck with rim	250	82	138	5	1134/08
	500	101	186	5	1134/10
	1000	129	222	2	1134/12
	2000	166	282	1	1134/14
With rimless Delong neck	250	82	155	20	1141/08
	500	101	193	20	1141/10
	1000	129	222	10	1141/12
	2000	166	300	5	1141/14
With GL45 membrane screwcap	250	82	130	20	1142/08
	500	101	165	20	1142/10
	1000	129	205	2	1142/12
	2000	166	265	5	1142/14

WHEATON® PETG MEDIA BOTTLES

Description	Cap style	Capacity [mL]	Closure size	Diameter [mm]	Height [mm]	Height with cap on [mm]	Pack Qty	Cat. No.
WHEATON® PETG Media Bottles	Tamper evident cap	30	20-415	38	60	62.1	24	WPBGC0030S
	Standard cap	30	20-415	38	60	62.1	24	WPBGC0030SB
	Tamper evident cap	60	24-415	40	80	83.1	24	WPBGC0060S
	Standard cap	60	24-415	40	80	83.1	24	WPBGC0060SB
	Tamper evident cap	125	38-430	54.4	103.7	109.4	24	WPBGC0125S
	Standard cap	125	38-430	54.4	103.7	109.4	24	WPBGC0125SB
	Tamper evident cap	250	38-430	59	139	144.7	24	WPBGC0250S
	Standard cap	250	38-430	59	139	144.7	24	WPBGC0250SB
	Tamper evident cap	500	38-430	73	172	177.7	12	WPBGC0500S
	Standard cap	500	38-430	73	172	177.7	12	WPBGC0500SB
	Tamper evident cap	1000	38-430	92	213	218.7	12	WPBGC1000S
	Standard cap	1000	38-430	92	213	218.7	12	WPBGC1000SB
	Tamper evident cap	2000	53B	115	266	271.2	6	WPBGC2000S
	Standard cap	2000	53B	115	266	271.2	6	WPBGC2000SB

PYREX® GL MEDIA-LAB BOTTLES*

PYREX® GL MEDIA-LAB BOTTLE - CLEAR GLASS

Volume [mL]	DIN thread [GL]	Cat. No. with blue screw cap (PP)	Cat. No. with red screw cap (PBT)
25 ¹	25	1516/01D	1516/01RED
50	32	1516/02D	1516/02RED
100	45	1516/04D	1516/01RED
150	45	1516/05D	N/A
250	45	1516/06D	1516/06RED
500	45	1516/08D	1516/08RED
750	45	1516/09D	N/A
1000	45	1516/10D	1516/10RED
2000	45	1516/12D	1516/12RED
3500	45	1516/14D	N/A
5000	45	1516/16D	N/A
10000	45	1516/18D	N/A
15000	45	1516/20D	N/A
20000	45	1516/22D	N/A
500	56	1556/08	N/A

PYREX® GL MEDIA-LAB BOTTLE - AMBER GLASS

Volume [mL]	DIN thread [GL]	Cat. No. without screw cap
25 ¹	25	1519/01
50	32	1519/02
100	45	1519/04
250	45	1519/06
500	45	1519/08
1000	45	1519/10
2000	45	1519/12
5000	45	1519/16
10000	45	1519/18

* All these bottles are compatible with other PYREX® GL caps, including chemically resistant, venting membrane and connection system caps.

1. With specially shaped glass lip for improved pouring out, so a separate pouring ring from PP is not required.

PYREX®

CULTURE FLASKS & BOTTLES

Description	Capacity [mL]	Outer diameter body [mm]	Outer diameter neck [mm]	Height [mm]	Length [mm]	Pack Qty	Cat. No.
PYREX® CULTURE FLASK DELONG NECK							
PYREX® Culture Flask Conical with Delong Neck	250	85	38	148		10	1135/14D
	500	105	38	183		5	1135/20D
	1000	131	38	229		2	1135/26D
	2000	166	38	302		1	1135/30D
PYREX® CULTURE FLASK FERNBACH TYPE							
Conical Shape with Delong Neck	2800	210	38	230		2	1138/10
Conical Shape with GL45 Membrane Screwcap	2800	210	45	230		2	1139/10
PYREX® CULTURE FLASK CYLINDRICAL SHAPE							
PYREX® Culture Flask Cylindrical Shape with Rim	60	45		70		50	1190/02M
	125	60		97		10	1190/04M
	250	69		130		50	1190/06M
PYREX® CULTURE FLASK ROUX TYPE							
Off-Set Conical Neck	1200	123	36-41 (conical)	56	275	10	1350/06M

MBL®

PASTEUR PIPETTES

Description	Color	Capacity approx. [mL]	Length [mm]	Material	Pack Qty	Cat. No.
Unwadded Pasteur Pipette	Clear	2	150	USP/EP Type 3 Soda-Lime Glass	100	SPP002
	Clear	2	230	USP/EP Type 3 Soda-Lime Glass	100	SPP004
Rubber Pipette Bulb	Clear	2		Silicone Rubber	100	BPP002
	Red	2		Natural Rubber	100	BPP004

◀ PYREX® PETRI DISHES

Description	Nominal size (mm)	Outer diameter lid [mm]	Outer diameter base [mm]	Height lid [mm]	Height base [mm]	Pack Qty	Cat. No.
PYREX® Petri Dishes	60x20	58	54	15	20	10	1480/02D
	80x20	78	76	15	20	10	1480/06D
	100x20	97	92	12	20	10	1480/08D
	120x20	118	113	15	20	10	1480/10D
	150x30	148	142	18	27	10	1480/12D

◀ PYREX® CULTURE TUBES

Description	Outer diameter [mm]	Length [mm]	Capacity [mL]	Wall thickness [mm]	Thread Size [SVL]	Pack Qty	Cat. No.
PYREX® Culture Tubes with SVL Black PBT Screwcap with PTFE Liner	14	100	9	1.5	13	40	1636/24MP
	16	100	11	1.8	15	40	1636/26MP
	16	125	14	1.8	15	40	1636/04MP
	16	160	19	1.8	15	40	1636/30MP
	18	100	15	1.8	18	40	1636/32MP
	18	180	28	1.8	18	40	1636/34MP
	20	100	20	1.8	20	40	1636/36MP
	20	200	40	1.8	20	40	1636/38MP
	22	200	50	1.8	22	40	1636/10MP
	26	100	36	2.0	25	40	1636/42MP
	26	200	70	2.0	25	40	1636/44MP

WHEATON®

SPINNER FLASKS

Capacity [mL]	Diameter x height [mm]	Cap size, top	Cap size, sidearm	Pack Qty	Cat. No.
WHEATON® DOUBLE SIDARM CELSTIR® SPINNER FLASK					
25	38 x 122	38-430	15-415	1	356873
50	38 x 141	38-430	15-415	1	356875
125	65 x 155	51-400	33-430	1	356876
250	85 x 175	51-400	33-430	1	356879
500	110 x 190	100-400	45 mm	1	356882
1000	130 x 250	100-400	45 mm	1	356884
3000	178 x 341	100-400	45 mm	1	356887
6000	258 x 404	100-400	45 mm	1	356889
8000	293 x 445	100-400	45 mm	1	356890
WHEATON® JACKETED DOUBLE SIDARM CELSTIR® SPINNER FLASK					
25	54 x 134	38-430	15-415	1	356943
50	54 x 147	38-430	15-415	1	356945
125	80 x 162	51-400	33-430	1	356946
250	100 x 182	51-400	33-430	1	356949
500	130 x 195	100-400	45 mm	1	356952
1000	150 x 260	100-400	45 mm	1	356954
WHEATON® MAGNA FLEX™ MICROCARRIER SPINNER FLASK					
125	65 x 155	51-400	33-430	1	356830
250	85 x 175	51-400	33-430	1	356831
500	110 x 190	100-400	45 mm	1	356832
1000	130 x 250	100-400	45 mm	1	356834
3000	178 x 341	100-400	45 mm	1	356837
6000	258 x 404	100-400	45 mm	1	356839

WHEATON® MAGNETIC STIRRER

Description	Plug Style	Stirring positions	Pack Qty	Cat. No.
WHEATON® MICRO-STIR® MAGNETIC STIRRER				
120 Vac Micro-Stir®	North America	1	1	W900700-A
100 Vac Micro-Stir®	Japan	1	1	W900700-B
230 Vac Micro-Stir®	Continental Europe	1	1	W900700-C
230 Vac Micro-Stir®	UK	1	1	W900700-D
240 Vac Micro-Stir®	Australia/China	1	1	W900700-F
230 Vac Micro-Stir®	Italy/Chile	1	1	W900700-G
230 Vac Micro-Stir®	India	1	1	W900700-J
120 Vac Micro-Stir®	North America	4	1	W900701-A
100 Vac Micro-Stir®	Japan	4	1	W900701-B
230 Vac Micro-Stir®	Continental Europe	4	1	W900701-C
230 Vac Micro-Stir®	UK	4	1	W900701-D
240 Vac Micro-Stir®	Australia/China	4	1	W900701-F
230 Vac Micro-Stir®	Italy/Chile	4	1	W900701-G
230 Vac Micro-Stir®	India	4	1	W900701-J
WHEATON® BIOSTIR® MAGNETIC STIRRER				
120 Vac BioStir®	North America	1	1	W900702-A
100 Vac BioStir®	Japan	1	1	W900702-B
230 Vac BioStir®	Continental Europe	1	1	W900702-C
230 Vac BioStir®	UK	1	1	W900702-D
240 Vac BioStir®	Australia/China	1	1	W900702-F
230 Vac BioStir®	Italy/Chile	1	1	W900702-G
240 Vac BioStir®	India	1	1	W900702-J
120 Vac BioStir®	North America	4	1	W900703-A
100 Vac BioStir®	Japan	4	1	W900703-B
230 Vac BioStir®	Continental Europe	4	1	W900703-C
230 Vac BioStir®	UK	4	1	W900703-D
240 Vac BioStir®	Australia/China	4	1	W900703-F
230 Vac BioStir®	Italy/Chile	4	1	W900703-G
230 Vac BioStir®	India	4	1	W900703-J
WHEATON® REMOTE CONTROL UNIT				
Remote Control, Stirrers			1	W900704

WHEATON® BENCH-TOP SYSTEM

Description	Plug Style	Pack Qty	Cat. No.
WHEATON® BENCH-TOP SYSTEMS – MINI BOTTLE			
120 Vac benchtop roller, mini	North America	1	W348923-A
100 Vac benchtop roller, mini	Japan	1	W348923-B
230 Vac benchtop roller, mini	Continental Europe	1	W348923-C
230 Vac benchtop roller, mini	UK	1	W348923-D
240 Vac benchtop roller, mini	Australia/China	1	W348923-F
230 Vac benchtop roller, mini	Italy/Chile	1	W348923-G
230 Vac benchtop roller, mini	India	1	W348923-J
Deck kit, mini, charcoal		1	W348920-CH
WHEATON® BENCH-TOP SYSTEMS – SMALL BOTTLE			
120 Vac benchtop roller, small	North America	1	W348924-A
100 Vac benchtop roller, small	Japan	1	W348924-B
230 Vac benchtop roller, small	Continental Europe	1	W348924-C
230 Vac benchtop roller, small	UK	1	W348924-D
240 Vac benchtop roller, small	Australia/China	1	W348924-F
230 Vac benchtop roller, small	Italy/Chile	1	W348924-G
230 Vac benchtop roller, small	India	1	W348924-J
Deck kit, small, charcoal		1	W348930-CH

WHEATON® COMPLETEPAK™

Description	Pack Qty	Clear Kit Cat. No.	Amber Kit Cat. No.
WHEATON® COMPLETEPAK™			
2 mL sterile vial (210), 13 mm Ultra Pure sterile serum stopper (230), sterile blue seal (230)	1	W990000-CP	W990000-CPA
2 mL sterile vial (210), 13 mm Omni Flex 3G sterile serum stopper (230), sterile blue seal (230)	1	W990001-CP	W990001-CPA
2 mL sterile vial (210), 13 mm OmniFlex 3G sterile igloo lyo stopper (230), sterile blue seal (230)	1	W990002-CP	W990002-CPA
2 mL sterile vial (210), 13 mm Ultra Pure sterile serum stopper (230), sterile red seal (230)	1	W990003-CP	W990003-CPA
2 mL sterile vial (210), 13 mm Omni Flex 3G sterile serum stopper (230), sterile red seal (230)	1	W990004-CP	W990004-CPA
2 mL sterile vial (210), 13 mm OmniFlex 3G sterile igloo lyo stopper (230), sterile red seal (230)	1	W990005-CP	W990005-CPA
5 mL sterile vial (200), 20 mm Ultra Pure sterile serum stopper (220), sterile blue seal (220)	1	W990006-CP	W990006-CPA
5 mL sterile vial (200), 20 mm OmniFlex 3G sterile serum stopper (220), sterile blue seal (220)	1	W990007-CP	W990007-CPA

Description	Pack Qty	Clear Kit Cat. No.	Amber Kit Cat. No.
5 mL sterile vial (200), 20 mm OmniFlex 3G igloo lyo stopper (220), sterile blue seal (220)	1	W990008-CP	W990008-CPA
5 mL sterile vial (200), 20 mm Ultra Pure sterile serum stopper (220), sterile red seal (220)	1	W990009-CP	W990009-CPA
5 mL sterile vial (200), 20 mm OmniFlex 3G sterile serum stopper (220), sterile red seal (220)	1	W990010-CP	W990010-CPA
5 mL sterile vial (200), 20 mm OmniFlex 3G sterile igloo lyo stopper (220), sterile red seal (220)	1	W990011-CP	W990011-CPA
10 mL sterile vial (158), 20 mm Ultra Pure sterile serum stopper (220), sterile blue seal (220)	1	W990012-CP	W990012-CPA
10 mL sterile vial (158), 20 mm OmniFlex 3G sterile serum stopper (220), sterile blue seal (220)	1	W990013-CP	W990013-CPA
10 mL sterile vial (158), 20 mm OmniFlex 3G sterile igloo lyo stopper (220), sterile blue seal (220)	1	W990014-CP	W990014-CPA
10 mL sterile vial (158), 20 mm Ultra Pure sterile serum stopper (220), sterile red seal (220)	1	W990015-CP	W990015-CPA
10 mL sterile vial (158), 20 mm OmniFlex 3G sterile serum stopper (220), sterile red seal (220)	1	W990016-CP	W990016-CPA
10 mL sterile vial (158), 20 mm OmniFlex 3G sterile igloo lyo stopper (220), sterile red seal (220)	1	W990017-CP	W990017-CPA

WHEATON® COMPLETEPAK™ STERILE COMPONENTS

Description	Color	Capacity [mL]	Size [mm]	Pack Qty	Cat. No.
Sterile serum vial	Clear	2		210	W986000-S
	Clear	5		200	W986001-S
	Clear	10		158	W986002-S
Sterile serum vial	Amber	2		210	W986000A-S
	Amber	5		200	W986001A-S
	Amber	10		158	W986002A-S

STOPPERS

OmniFlex 3G sterile serum stopper	13	230	W986003-S
Ultra Pure siliconized sterile serum stopper	13	230	W986004-S
OmniFlex 3G sterile igloo lyo stopper	13	230	W986005-S
OmniFlex 3G sterile serum stopper	20	220	W986006-S
Ultra Pure siliconized sterile serum stopper	20	220	W986007-S
OmniFlex 3G sterile igloo lyo stopper	20	220	W986008-S

SEALS

OmniFlex 3G sterile serum stopper	13	230	W986009-S
Ultra Pure siliconized sterile serum stopper	13	230	W986010-S
OmniFlex 3G sterile igloo lyo stopper	20	220	W986011-S
OmniFlex 3G sterile serum stopper	20	220	W986012-S

ORDERING INFORMATION PRODUCTION & PACKAGING

3

WHEATON® ROLLER BOTTLES

Description	Diameter x flat overall length [mm]	Usable surface area [cm ²]	Surface [cm ²]	Capacity approx. [mL]	Pack Qty	Cat. No.
Roller bottle with 38 mm deep skirted, black phenolic screw cap with white styrene-butadiene rubber liner (GPI 38-415)	110 x 240	550	680	1380	4	348252
	110 x 285	700	840	1760	4	348253
	110 x 480	1320	1500	3450	4	348256
	110 x 550	1555	1680	4230	4	348258
Roller bottle with 45 mm white polypropylene screw cap with inner sealing ring and polypropylene pour ring.	110 x 240	550	680	1380	4	348272
	110 x 285	700	840	1760	4	348273
Roller bottle with 51 mm black phenolic screw cap with shallow skirt and white styrene-butadiene rubber liner (GPI 51-400)	110 x 270	700	840	1760	4	348522
	110 x 355	940	1070	2500	4	348524
	110 x 535	1555	1680	4230	4	348528

PART NUMBERING SYSTEM FOR THE CONFIGURATION OF A ROLLER APPARATUS SYSTEM

DWK Life Sciences specializes in standard and customized roller apparatus units. The part numbering system below allows for the configuration of a standard system. The main components that make up a unit include the control system, the size and type of roller bottle decks and system options. There is also a table on the next page listing the most commonly used roller apparatus. **If you have any questions about custom bottle sizes, rotation speeds or standard systems do not hesitate to contact your DWK Life Sciences representative.**

[1] Control system type	[2] Control system location	[3] Deck spacing	[4] Deck type
R R2P™ 2.0: Advanced touch screen with remote communications and alarms	T Top mounted: Ideal design for rigorous cleaning and ceiling mounted connections	P Production (6"/152mm): Smaller spacing between decks to allow for more bottles per area	F Fixed size with a single piece uprights used for production and lighter weight due to less hardware
S STANDARD: LCD display	B Bottom mounted: Ideal design for easy access and floor mounted connections	M Modular (7.125"/181mm): Larger spacing between decks to allow easier removal and replacement of bottles	R Removable decks for flexible design

WHEATON® STANDARD & R2P™ 2.0 ROLLER APPARATUS

SPECIFICATIONS
next page

Control system	# positions	# decks	# of bottle positions	Width [inch / cm]	Depth [inch / cm]	Height [inch / cm]	Weight [lb / kg]	Cat. No.
BOTTOM DRIVE PRODUCTION SPACING								
R2P™ 2.0	5	1	5	31 / 79	25 / 63	14 / 35	52 / 24	WRBPR5010-[*]
R2P™ 2.0	5	3	15	31 / 79	25 / 63	26 / 65	85 / 39	WRBPR5030-[*]
R2P™ 2.0	5	11	55	31 / 79	25 / 63	74 / 187	217 / 99	WRBPF5110-[*]
BOTTOM DRIVE MODULAR SPACING								
R2P™ 2.0	5	3	15	30 / 76	25 / 63	29 / 74	112 / 51	WRBMR5030-[*]
Standard	5	3	15	30 / 76	25 / 63	29 / 74	112 / 51	WSBMR5030-[*]
R2P™ 2.0	5	7	35	30 / 76	25 / 63	57 / 145	196 / 89	WRBMR5070-[*]
Standard	5	7	35	30 / 76	25 / 63	57 / 145	196 / 89	WSBMR5070-[*]
R2P™ 2.0	5	9	45	30 / 76	25 / 63	71 / 179	238 / 108	WRBMR5090-[*]
Standard	5	9	45	30 / 76	25 / 63	71 / 179	238 / 108	WSBMR5090-[*]
TOP DRIVE PRODUCTION SPACING								
R2P™ 2.0	5	11	52	31 / 79	25 / 63	75 / 190	250 / 113	WRTPF5110-[*]
Standard	5	11	52	31 / 79	25 / 63	75 / 190	250 / 113	WSTPF5110-[*]

[*] Plug style specification see table below


Part number: W + [1] + [2] + [3] + [4] + [5] + [6] + [7] - [*]

Example: WRBPF5110-C

WHEATON® R2P, bottom mount, production, fixed, 5-areas, 11-decks, no-options, plug style Europe


[5] Capacity	[6] Number of decks	[7] Options	[*] Plug style
<p>5 Five placement areas per deck allows for use with an upright incubator</p> <p>8 Eight placement areas is used for large scale production type installations</p>	<p>01- Production spaced</p> <p>11 units have a maximum of 11 decks</p> <p>01- Modular spaced</p> <p>09 units have a maximum of 9 decks</p>	<p>0 No options included</p> <p>1 Options included Standard Roller: Belt break alarm and battery backup R2P™ 2.0: Temperature monitoring and alarms (2 probes) and battery backup (belt break alarm is already included)</p>	<p>Connection</p> <p>-A North America, 120 V</p> <p>-B Japan, 100 V</p> <p>-C Europe, 230 V</p> <p>-D UK, 230 V</p> <p>-F Australia/China, 240 V</p> <p>-G Italy/Chile, 230 V</p> <p>-J India, 230 V</p>

SPECIFICATIONS

Specifications	WHEATON® Standard Roller Apparatus	WHEATON® R2P™ Roller Apparatus
Capacity	5-88 positions	5-88 positions
Bottle speed	0.25-8.1 RPM (110 mm bottle, other speeds available)	0.25-8.1 RPM (110 mm bottle, other speeds available)
Bottle diameter	108-121 mm	108-121 mm
Bottle length	up to 550 mm	up to 550 mm
Accuracy	0.01 RPM	0.01 RPM
Drive	Belt driven	Belt driven
Motor type	Brushless DC	Brushless DC
Rotation direction	Clockwise and counter-clockwise	Clockwise, counter-clockwise and rocking
Rotation alarm	Optional	Included
Options	Rotation alarm and battery backup	Temperature monitoring and battery backup
Remote communication	Dry contact relay	Yes, Modbus® Protocol and WHEATON® Protocol via Ethernet and RS422
Operating temperature	10 °C to 40 °C	10 °C to 40 °C
Humidity	80% up to 31 °C	80% up to 31 °C
Electrical	100-240 VAC, 50/60 Hz, 35 W	100-240 VAC, 50/60 Hz, 35 W
 Complies with industry standards including UL, CSA, CE, WEEE and RoHs compliant		

WHEATON® STANDARD & CO₂ INCUBATOR

Voltage	Plug style	Pack Qty	Cat. No.
WHEATON® STANDARD INCUBATOR			
120 VAC	North America	1	W753681
100 VAC	Japan	1	W753681-B-E
230 VAC	Continental Europe	1	W753685-C-E
230 VAC	United Kingdom	1	W753685-D-E
230 VAC	Australia/China	1	W753685-F-E
230 VAC	Italy/Chile	1	W753685-G-E
230 VAC	India	1	W753685-J-E
230 VAC	Switzerland	1	W753685-L-E
WHEATON® CO₂ INCUBATOR			
120 VAC	North America	1	WI057608
230 VAC	Continental Europe	1	WI057608-C-E
230 VAC	United Kingdom	1	WI057608-D-E
230 VAC	Australia/China	1	WI057608-F-E
230 VAC	India	1	WI057608-J-E

Specifications	WHEATON® Standard Incubator	WHEATON® CO ₂ Incubator
Capacity	39.7 Cubic ft	39.7 Cubic ft
Interior dimensions [W x D x H]	34.7 x 26 x 75" (88.1 x 66.0 x 190.5 cm)	35 x 26 x 75.5" (88.9 x 66 x 191.7 cm)
Exterior dimensions [W x D x H]	42 x 32.4 x 88" (106.7 x 82.3 x 223.5 cm)	42.5 x 34.5 x 89" (108 x 87.6 x 226 cm)
Control	Microprocessor controlled ± 0.1 °C	Microprocessor controlled ± 0.1 °C
Temperature range	8 °C above ambient to 70 °C	8 °C above ambient to 70 °C
Temperature uniformity	Forced air circulation ± 0.5 °C at 37 °C	Forced air circulation ± 0.5 °C at 37 °C
Shelving	20 maximum	30 maximum
Electrical	100-240 VAC, 50/60 Hz, 12A-8 A	100-240 VAC, 50/60 Hz, 15 A-10 A
Interior electrical outlet	1 (chamber ceiling)	1 (chamber ceiling)
Net weight	497 lb (225 kg)	574 lb (260.4 kg)
Shipping weight	657 lb (298.1 kg)	682 lb (309.4 kg)
CO₂ range	–	0-20%
CO₂ sensor	–	IR
CO₂ sensor	–	< 5 min (recovery)
CO₂ connection	–	¼" (6.35 mm) hose barb
CO₂ inlet pressure	–	15-20 psi (0.1.03 - 1.378 bars)
Jacket type	–	Air
 Complies with industry standards including UL, CSA, CE, WEEE and RoHs compliant		

DURAN® PURE BOTTLES*

DURAN® PURE BOTTLES					
Volume [mL]	DIN thread [GL]	Bottles per box [pcs.]	Bottles per pallet [pcs.]	Cat. No. clear glass	Cat. No. amber colored
25	25	10	940	81 801 14 01	81 806 14 06
100	45	10	540	81 801 24 06	81 806 24 02
250	45	10	280	81 801 36 08	81 806 36 04
500	45	10	360	81 801 44 07	81 806 44 03
1 000	45	10	210	81 801 54 03	81 806 54 08
2 000	45	10	120	81 801 63 05	81 806 63 01
5 000	45	1	48	81 801 73 01	81 806 73 06
10 000	45	1	30	81 801 86 06	81 806 86 02
20 000	45	1	12	81 801 91 05	81 806 91 01

DURAN® PURE CLOSURES			
Description	DIN thread [GL]	Products per PE bag [pcs.]	Cat. No.
DURAN® PURE Premium Screw Cap	25	5	89 108 13 06
DURAN® PURE Premium Screw Cap	45	5	89 108 86 79
DURAN® PURE Premium Lip Seal Cap	45	5	89 886 28 02
DURAN® PURE Premium Pouring Ring	45	5	89 108 86 78
DURAN® PURE Silicone Seal, PTFE coated	25	10	29 248 14 56
DURAN® PURE Silicone Seal, PTFE coated	45	10	29 248 29 58

DURAN® PURE GLS 80® BOTTLES					
Volume [mL]	DIN thread [GLS]	Bottles per box [pcs.]	Bottles per pallet [pcs.]	Cat. No. clear glass	Cat. No. amber colored
500	80	10	280	81 860 44 03	81 866 44 09
1 000	80	10	210	81 860 54 08	81 866 54 05
2 000	80	10	120	81 860 63 01	81 866 63 07
5 000	80	1	48	81 860 73 06	81 866 73 03
10 000	80	1	30	81 860 86 02	81 866 86 08
20 000	80	1	12	81 860 91 01	81 866 91 07

DURAN® PURE GLS 80® CLOSURE			
Description	DIN thread [GLS]	Products per PE bag [pcs.]	Cat. No.
DURAN® PURE Premium Screw Cap	80	1	89 116 91 09
DURAN® PURE Premium Screw Cap	80	10	29 248 91 02

* NB - DURAN® PURE will be ordered via DWK Life Sciences GmbH

WHEATON® INJECTION VIALS & BOTTLES

Description	Color	Capacity [mL]	Mouth ID x OD [mm]	Diameter x height [mm]	Pack Qty	Cat. No.	
WHEATON® Injection Tubing Vials	Clear	2	7 x 13	15 x 32	144	223683	
	Clear	2	7 x 13	14.75 x 32.5	466	700000	
	Amber	2	7 x 13	15 x 32	144	223693	
	Clear	3	7 x 13	17 x 38	144	223684	
	Clear	5	13 x 20	22 x 40	144	223685	
	Clear	5	13 x 20	22.25 x 38.5	208	150865	
	Amber	5	13 x 20	22 x 40	144	223695	
	Clear	10	13 x 20	24 x 50	144	223686	
	Clear	10	13 x 20	24.5 x 46.25	160	150826D	
	Amber	10	13 x 20	24 x 50	144	223696	
	Clear	20	13 x 20	30.5 x 58	120	223687	
	Clear	20	13 x 20	29.25 x 56	95	150870	
	WHEATON® Injection Bottles	Clear	2	7 x 13	15.6 x 36	288	W223712
		Clear	5	13 x 20	23 x 47	288	223738
Amber		5	13 x 20	23 x 47	288	223760	
Clear		10	13 x 20	25 x 54	288	223739	
Amber		10	13 x 20	25 x 54	288	223761	
Clear		20	13 x 20	32 x 58	288	223742	
Amber		20	13 x 20	32 x 58	288	223762	
Clear		30	13 x 20	37 x 63	288	223743	
Amber		30	13 x 20	37 x 63	288	223763	
Clear		50	13 x 20	43 x 73	288	223745	
Amber		50	13 x 20	43 x 73	288	223764	
Clear		60	13 x 20	41 x 91	144	223746	
Clear		100	13 x 20	52 x 95	144	223747	
Amber		100	13 x 20	52 x 95	144	223766	
Clear		125	13 x 20	54 x 107	144	223748	

WHEATON® DIAGNOSTIC VIALS

Description	Color	Capacity [mL]	Diameter x height [mm]	Cap size	Pack Qty	Cat. No.
WHEATON® Diagnostic Vials	Clear	5	22 x 38	20-400	480	W219365
	Amber	5	22 x 38	20-400	480	W216375
	Clear	10	22 x 55	20-400	480	W219366
	Amber	10	22 x 55	20-400	480	W216376
	Amber	20	30 x 52	20-400	480	W216377
	Amber	30	30 x 69	20-400	288	W216378
	Clear	3	18 x 36	15.5 mm	320	102000
	Amber	3	18 x 36	15.5 mm	320	102010
	Clear	5	18 x 41	15.5 mm	320	102020
	Amber	5	18 x 41	15.5 mm	320	102030
	Clear	10	25.25 x 50	22 mm	154	102040
	Amber	10	25.25 x 50	22 mm	154	102050
	Clear	20	27.5 x 63	22 mm	130	102060
	Amber	20	27.5 x 63	22 mm	130	102070
	Clear	25	31.5 x 63	22 mm	99	102080
	Amber	25	31.5 x 63	22 mm	99	102090

Description	Color	Cap size	Material	Pack Qty	Cat. No.
WHEATON® I-Loc™ closure with integrated gray bromobutyl/50 stopper	Black	20-400	Polypropylene	100	240676-01
	White	20-400	Polypropylene	100	240676-02
	Red	20-400	Polypropylene	100	240676-03
	Blue	20-400	Polypropylene	100	240676-04
	Yellow	20-400	Polypropylene	100	240676-05
Cap, closed, unlined	Black	20-400	Polypropylene	300	240706-01
	White	20-400	Polypropylene	300	240706-02
	Blue	20-400	Polypropylene	300	240706-04
	Yellow	20-400	Polypropylene	300	240706-05
Cap, open-top, unlined	Black	20-400	Polypropylene	300	240716-01
	White	20-400	Polypropylene	300	240716-02
	Red	20-400	Polypropylene	300	240716-03
	Blue	20-400	Polypropylene	300	240716-04
	Yellow	20-400	Polypropylene	300	240716-05
Cap, no liner	White	15.5 mm	Polypropylene	1000	300180
	Blue	15.5 mm	Polypropylene	1000	300180B
	Green	15.5 mm	Polypropylene	1000	300180G
	Red	15.5 mm	Polypropylene	1000	300180R
	Yellow	15.5 mm	Polypropylene	1000	300180Y
	White	22 mm	Polypropylene	1000	300203
	Blue	22 mm	Polypropylene	1000	300203B
	Green	22 mm	Polypropylene	1000	300203G
	Red	22 mm	Polypropylene	1000	300203R
Yellow	22 mm	Polypropylene	1000	300203Y	

Description	Color	Cap size	Material	Pack Qty	Cat. No.
Cap, EPE liner	White	15.5 mm	Urea	1000	300190
	Black	15.5 mm	Urea	1000	300190BK
	Blue	15.5 mm	Urea	1000	300190BL
	Green	15.5 mm	Urea	1000	300190G
	Red	15.5 mm	Urea	1000	300190R
	White	22 mm	Urea	1000	300208

STOPPER					
Stopper, 3 Leg Lyo, thin flange	Grey	20 mm	Chlorobutyl / 55	300	224100-203
Stopper, SnapOn, thin flange	Grey	20 mm	Chlorobutyl / 49	300	W224100-190
Stopper Igloo Lyo	Grey	14 mm	Bromobutyl	1000	600005
	Grey	20 mm	Bromobutyl	1000	700005





Excellence in your hands

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