

# Anatomy of a PETG Media Bottle

# WHEATON®

## Media Bottles

WHEATON PETG Square / Octagonal Media Bottles are ideal for the storage of media, laboratory reagents and biological buffers. Graduation markings are molded in for reference filling. WHEATON PETG Square / Octagonal Bottles are provided gamma irradiated sterilized to SAL 10<sup>-6</sup> with blue caps attached. Each case is clean room packaged for sterile production with multi-barrier elastomer packaging. Available with standard cap or patented tamper-evident closure system.

## Diagnostic Bottles

Sterile WHEATON Diagnostic Bottles are ideal for the safe storage, transfer and transport of diagnostic specimens, antibodies, proteins, nucleic acids, enzymes and substrates. WHEATON Diagnostic Bottles are suitable for air shipment and are tested during each manufacturing run to ensure leak proof performance. All WHEATON Diagnostic Bottles are non-cytotoxic and non-pyrogenic and meet with current biological and pharmaceutical regulatory standards, including USP Class VI, USP 661, and European Pharmacopeia for Abnormal Toxicity. WHEATON Diagnostic Bottles are manufactured from Animal Derived Component Free (ADCF) materials. WHEATON PETG Diagnostic Bottles are packaged with a blue tamper-evident polyethylene closure and are provided sterile to SAL 10<sup>-6</sup> in a multi-barrier clean room production package with caps attached.

## PETG

Eastar™ Copolyester PETG by Eastman Tritan™

Eastar is the “Resin of Choice” for single use containers and medical devices. Thus, we chose PETG from Eastman Tritan for the production of our media bottles. Our PETG products retain their clarity after gamma sterilization, maintain integrity of the contents and are guaranteed to exceed customer’s requirements and expectations.

WHEATON PETG Resin meets ISO 10993 and / or USP Class VI biocompatibility requirements and is Food Contact Status Compliant. The PETG is an amorphous material that displays performance properties including clarity and toughness as well as excellent gas barrier and chemical inertness. The products can be safely sterilized with gamma irradiation without property loss or color shift.

### Threads

WHEATON Media Bottles have continuous and straight-shouldered semi-buttress threads designed to perfectly interlock bottle and cap to securely protect the integrity of liquid within the container.

### Graduation Markings

WHEATON Media Bottles have molded-in graduation markings for approximate volumetric measurement reference. Screen printed graduations are available on selected products.

### Ergonomic Uniformity

WHEATON Media Bottles are molded with a uniform wall thickness offering a beveled edge ergonomic design that offers durability, strength and improved handling ability. The soft corners of the bottle make it comfortable to hold and occupy a minimum amount of shelf space.



### Secure Closure System

WHEATON Media Bottles have a leak resistant, liner-free cap composed of virgin polypropylene (PP), animal component-free resin. The molded in angular seal ring within the cap allows the formation of a leak resistant contact with the bottle neck.

### Stable Base

WHEATON Media Bottles are designed to have uniform resin and weight distribution, which is the key to maintaining a bottle stable during filling processes. The symmetrical base ensures steadiness in filling operations. Each bottle is marked with a resin identification code for user reference.

WHEATON Square Media Bottles are available molded of PETG or PC and available either certified sterile and non-pyrogenic or aseptically clean, non-sterile to eliminate the need for washing, depyrogenation and autoclaving. Available in sizes from 30 to 2000mL, the bottles are ideally suited for the preparation and containment of buffers and pH sensitive liquids, including active pharmaceutical ingredients and bulk intermediates.

## PETG Bottles Features

<ul style="list-style-type: none"> <li>Available in a range from 5mL to 2L</li> </ul>	<ul style="list-style-type: none"> <li>Excellent gas barrier properties, ensuring pH stability</li> </ul>	<ul style="list-style-type: none"> <li>Square or octagonal footprint for efficient use of storage space</li> </ul>
<ul style="list-style-type: none"> <li>Sterile, tamper-resistant seal ensures product integrity prior to use</li> </ul>	<ul style="list-style-type: none"> <li>Suitable for transport and storage</li> </ul>	<ul style="list-style-type: none"> <li>Leak resistant</li> </ul>
<ul style="list-style-type: none"> <li>Recommended temperature range +70°C to -40°C</li> </ul>	<ul style="list-style-type: none"> <li>Comprised of resins that are free of animal-derived components</li> </ul>	

PETG Tamper Evident Cap	W017806	W017807	W017808	W017809	W017810	W017811	W017812	Standard Cap				Tamper Evident Cap				PETG Tamper Evident Cap				PETG Square Bottle Family				PETG Diagnostic Bottle Family			
	W017813	W017814	W017815	W017816	W017817	W017818	W017819	Cat. No.	W017824	W017825	W017826	W017827	W017828	W017829	W017830	W017831	Size / Volume	10mL	5mL	Cap/Cat. No.	W017810	W017809	W017808	W017807	Cat. No.	W017823	W017822
Size / Volume	2000mL	1000mL	500mL	250mL	125mL	60mL	30mL	Cat. No.	W017824	W017825	W017826	W017827	W017828	W017829	W017830	W017831	Size / Volume	10mL	5mL	Cap/Cat. No.	W017829	W017829	W017829	W017829	Cap/Cat. No.	W017827	W017827
Closure Size	53B	38-430	38-430	38-430	38-430	24-415	20-415	Closure Size	53B	38-430	24-415	20-415	53B	38-430	24-415	20-415	Closure Size	20-415	20-415	Closure Size	38-430	38-430	38-430	38-430	Closure Size	20-415	20-415
Units / Tray	24	48	72	96	144	192	288	Units / Case	192	384	384	384	192	288	384	384	Units / Tray	1600	1600	Torque Setting (in/lbs)	21-22	21-22	21-22	21-22	Torque Setting (in/lbs)	3-4	3-4