



PETG BOTTLES

Pharma & Biopharmaceutical Applications

PRODUCT DATASHEET



AdvantaPure™ PETG Square Media Bottles are engineered for the secure storage and transfer of critical fluids in pharmaceutical, biopharmaceutical, and life science applications.

Manufactured in the USA, ensuring stringent quality control and adherence to industry standards, these bottles provide exceptional clarity for easy visual inspection, low extractables, and strong chemical resistance to help protect product integrity.

The space-efficient square design enhances stability during handling and storage, while the durable PETG construction withstands freeze/thaw cycles down to -85°C, making them ideal for cold-chain and cryogenic applications. Produced in a fully automated clean environment to minimize particulate risk, AdvantaPure™ PETG Square Media Bottles are supplied with knurled HDPE closures featuring a design that promotes safety and ease of use.



KEY FEATURES & BENEFITS

- Withstands freeze/thaw cycles down to -185°F (-85°C)
- Lugged cap design promotes safety and ease of use
- Optically clear for easy visual inspection of contents
- Excellent chemical resistance for demanding fluids
- Low gas permeability for improved barrier protection
- High-density polyethylene (HDPE) caps provide a secure, leak-proof seal
- Square, space-saving design maximizes storage efficiency and improves bottle stability
- Fully automated production minimizes contamination
- Comprehensive [validation package](#) to expedite qualification and validation

TYPICAL APPLICATIONS



Media Preparation and Storage



In-Process Sampling



Aseptic Filling Operations



Buffer and Reagent Storage



Drug Substance and Excipient Handling



Cryogenic and Cold Chain Applications



Cell Culture Applications



Formulation and Fill-Finish



Clinical Trial Material Handling



Transportation of Reagents

COMPLIANT OR TESTED TO

- USP <665> Extractables/Leachables
- USP <661.2> Physiochemical Test for Plastics
- USP <85> Bacterial Endotoxin*
- USP <788> Particulate Matter in Injections*
- RoHS Compliant
- ADCF

***NOTE:** Only tested for sterile bottles

STERILITY

Available Sterile or Non-Sterile:

All sizes of AdvantaPure PETG Square Media Bottles will be available sterile. The sterilization process is validated to ensure a SAL (Sterility Assurance Level) of 10^{-6} , which is the industry standard for use in aseptic applications. All sterile AdvantaPure PETG bottles have a 5-year sterile integrity.

PRODUCT SPECIFICATIONS

Material of Construction	PETG, HDPE (closure)
Molded Graduation	Yes
Working Temperature Range	-121°F to 158°F (-85°C to 70°C)
Closure Included	Yes
Shelf Life	Five (5) years for sterile bottles No expiration date for non-sterile
Gamma Stable	Maximum 50 kGy
Autoclavable	Not autoclavable
Drug Master File (DMF) (On the resin)	9987
Manufacturing Location	ISO Class 7 Cleanroom
Manufacturing Process	Injection blow molded
Chemical Resistance*	Excellent
Assemblies	Available as part of our sterilized assemblies

[* View the complete Chemical Compatibility Chart here](#)

MATERIAL ADVANTAGES

PETG BOTTLE	HDPE CAP
Crystal-clear transparency for easy visual checks	Excellent chemical resistance for aggressive or reactive solutions
Strong barrier against gas to help maintain pH-sensitive contents	Secure, leak-proof seal for safe storage and transport
Durable and impact-resistant for demanding lab use	Stands up to routine handling without cracking or stress

PART NUMBERS

NON-STERILE					
PART NUMBER	DESCRIPTION	CLOSURE	QUANTITY		
			Bottles per Tray	Trays per Case	Total
A2030010	125 mL AdvantaPure PETG Square Media Bottle, Non-Sterile	38-430	24	4	96
A2030011	250 mL AdvantaPure PETG Square Media Bottle, Non-Sterile	38-430	30	2	60
A2030012	500 mL AdvantaPure PETG Square Media Bottle, Non-Sterile	38-430	20	2	40
A2030013	1000 mL AdvantaPure PETG Square Media Bottle, Non-Sterile	38-430	12	2	24
A2030014	2000 mL AdvantaPure PETG Square Media Bottle, Non-Sterile	53B	6	2	12

STERILE					
PART NUMBER	DESCRIPTION	CLOSURE	QUANTITY		
			Bottles per Tray	Trays per Case	Total
A2020020	125 mL AdvantaPure PETG Square Media Bottle, Sterile	38-430	24	4	96
A2020021	250 mL AdvantaPure PETG Square Media Bottle, Sterile	38-430	30	2	60
A2020022	500 mL AdvantaPure PETG Square Media Bottle, Sterile	38-430	20	2	40
A2020023	1000 mL AdvantaPure PETG Square Media Bottle, Sterile	38-430	12	2	24
A2020024	2000 mL AdvantaPure PETG Square Media Bottle, Sterile	53B	6	2	12

STERILE, LAB PACK					
PART NUMBER	DESCRIPTION	CLOSURE	QUANTITY		
			Bottles per Tray	Trays per Case	Total
A2020025	125 mL AdvantaPure PETG Square Media Bottle, Heat-Shrink Band, Sterile, Lab Pack	38-430	24	2	48
A2020026	250 mL AdvantaPure PETG Square Media Bottle, Heat-Shrink Band, Sterile, Lab Pack	38-430	30	1	30
A2020027	500 mL AdvantaPure PETG Square Media Bottle, Heat-Shrink Band, Sterile, Lab Pack	38-430	20	1	20
A2020028	1000 mL AdvantaPure PETG Square Media Bottle, Heat-Shrink Band, Sterile, Lab Pack	38-430	12	1	12
A2020029	2000 mL AdvantaPure PETG Square Media Bottle, Heat-Shrink Band, Sterile, Lab Pack	53B	6	1	6

NOTE: Bottles can only be ordered by the full case. Also available as part of our sterilized assemblies. Assemblies are gamma-irradiated in the United States.

All AdvantaPure PETG Square Media Bottles are packaged in individually shrink-wrapped trays, and the trays are placed on top of the other.

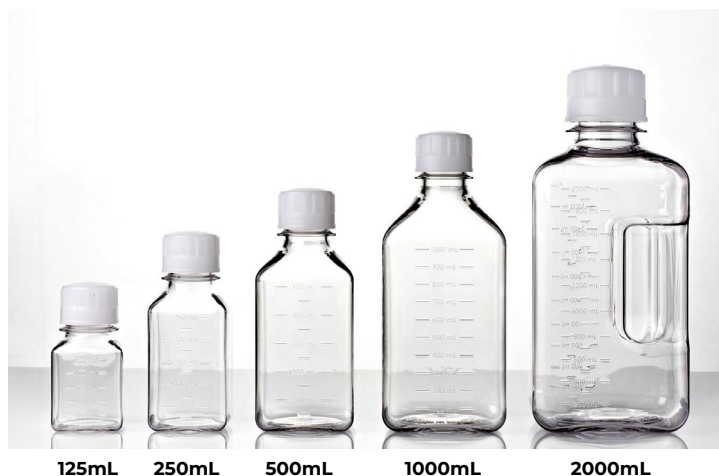
Available Sizes - Sterile Bottles

AdvantaPure PETG bottles are available in 125 mL, 250 mL, 500 mL, 1000 mL, and 2000 mL. All sizes come with molded graduations.



Available Sizes - Non-Sterile Bottles

AdvantaPure PETG bottles are available in 125 mL, 250 mL, 500 mL, 1000 mL, and 2000 mL. All sizes come with molded graduations.



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To learn more about AdvantaPure
and what solutions we offer visit:

[AdvantaPure.com](https://www.AdvantaPure.com)

The AdvantaPure line of fluid transfer systems for the biopharma and pharmaceutical market are a line of the NewAge Industries family of products and services.

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