

# Bio-Simplex<sup>®</sup> Ultra Carboys



Bio-Simplex<sup>®</sup> Ultra Carboys combine all the same unique design features as the standard product line, but are manufactured and validated specifically for bioproduction applications. The Bio-Simplex Ultra Carboys can be combined with our patented EZ Top<sup>®</sup> Container Closure technology for sterile fluid storage and aseptic fluid transfer.

The Bio-Simplex Ultra Carboys are manufactured in a cleanroom environment from high quality polypropylene copolymer which has broad thermal and chemical resistance and is compatible with gamma sterilization.

The Bio-Simplex Ultra Carboy comes in 6 sizes: 2.5L, 5L, 10L, 20L, 40L and 75L with standard open cap and plug, with or without an autoclavable spigot.

Standard 2 or 3 port EZ Top Container Closures are available in both C-Flex<sup>®</sup> TPE and Sani-Tech<sup>®</sup> Class VI platinum-cured silicone. Custom designs may be ordered with alternative port and tubing configurations to meet specific customer requirements.

***For Infinite Possibilities...Think Saint-Gobain  
Think Saint-Gobain...for Custom Solutions***

*Bio-Simplex Ultra Carboy shown with optional EZ Top Container Closure.*

1. The Bio-Simplex advanced fluid handling system combines an ergonomically designed carboy with the customizable EZ Top technology.
2. Bio-Simplex Ultra Carboys are designed to improve fluid transfer, storage and cleaning.
3. Ultra Carboys are molded, assembled, bagged and boxed in a clean room and are fully validated for bioproduction.
4. Visible volume and material markings. Gradation marks are accurate to within +/- 5% accuracy.
5. Comes with open cap and plug.
6. Large top handles and molded handholds on the bottom allow two people to carry large carboys with ease.
7. Slender ergonomic body design requires less space in the laboratory. Three of the new Bio-Simplex carboys fit in the same footprint of two traditional round carboys.
8. Available with or without leak-proof autoclavable spigot.

## Properties

Material	PP Copolymer
Max Temp. °C	121°C
Min. Temp. °C	-40°C
Gamma Compatible	Yes
Autoclavable	10+ Cycles
Clarity - Pre Gamma	Translucent
Clarity - Post Gamma	Brown/Opaque

## Specifications

Extractables - NVR	USP 661	<0.5 mg/L
Extractables - ROI	USP 661	<0.2 mg/L
Extractables - Heavy Metals	USP 661	<1 ppm
TOC Analysis	USP 643	<500 µg/L
Class VI	USP 87/88	Pass
Particulates (>10 µm)*	USP 788	<25/ml
Particulates (>25 µm)*	USP 788	<3/ml
Endotoxins	USP 85	<0.25 EU/ml
Bioburden	USP 71	<0.01 CFU/ml
Sterility	ISO 11137	SAL of 10 <sup>-6</sup>

\* by light obscuration

## Bio-Simplex® Ultra Carboys

Part Number	Description	Nominal volume	Carboy Material	Cap Size	Spigot
DCF0280	2.5 Liter Bio-Simplex Ultra Carboy	2.5L	PP Copolymer	80	No
DCF0580	5 Liter Bio-Simplex Ultra Carboy	5L	PP Copolymer	80	No
DCF0580S	5 Liter Bio-Simplex Ultra Carboy, Spigot	5L	PP Copolymer	80	Yes
DCF1080	10 Liter Bio-Simplex Ultra Carboy	10L	PP Copolymer	80	No
DCF1080S	10 Liter Bio-Simplex Ultra Carboy, Spigot	10L	PP Copolymer	80	Yes
DCF20120	20 Liter Bio-Simplex Ultra Carboy	20L	PP Copolymer	120	No
DCF20120S	20 Liter Bio-Simplex Ultra Carboy, Spigot	20L	PP Copolymer	120	Yes
DCF40120	40 Liter Bio-Simplex Ultra Carboy	40L	PP Copolymer	120	No
DCF40120S	40 Liter Bio-Simplex Ultra Carboy, Spigot	40L	PP Copolymer	120	Yes
DCF75120	75 Liter Bio-Simplex Ultra Carboy	75L	PP Copolymer	120	No

Please contact Saint-Gobain Performance Plastics for pricing of Bio-Simplex Ultra Sterile Carboys (prefix DCS) and assemblies. DCS prefix Carboys have been gamma irradiated sterile (AAMI/ISO 11137 SAL 10<sup>-6</sup>)

Bio-Simplex®, C-Flex®, EZ Top® and Sani-Tech® are registered trademarks of Saint-Gobain Performance Plastics Corporation.

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Critical Fluid Transfer and Containment

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**WARRANTY:** For a period of 12 months from the date of first sale, Saint-Gobain Performance Plastics warrants this product to be free of defects in materials and workmanship. Our only obligation will be to replace any portion proving defective, or at our option, to refund the purchase price thereof.