



Autoclavable Carboy (Polypropylene) Product Disclaimer

Description:

Carboys are specially designed to improve performance in laboratories. The versatility of the VersaCap™ system allows the carboy to be customized to fit any purpose. Carboys are designed to be leak proof. Handles on the top and bottom make the carboy easier to lift. The innovative, rectangular base takes up less space than a traditional round carboy.

Product Features:

- Larger opening at the top for easier filling and cleaning
- Larger handles on the top, and grips on the bottom make lifting easier
- Carboys are easily identified with volume and material embossed on three sides
- Space-saving, rectangular design makes optimum use of your lab bench
- VersaCap™ Technology
- Carboy and Cap are autoclavable (See instructions below)
- Graduations in both liters and gallons.

WARNING

DO NOT use carboys under pressure, vacuum or heat greater than 83°C. Such use may result in product failure, and/or personal injury.

DO NOT store strong oxidizing agents in carboys.

DO NOT place any plastic labware in a flame.

DO NOT mix any chemicals that may result in a thermic reaction, which can cause product failure.

Consult local fire codes prior to storage of flammable liquids in carboys.

Consult OSHA prior to handling or lifting filled carboys. Lifting a full carboy alone is not recommended.

Use graduation marks for reference only, accuracy is $\pm 10\%$.

Cleaning:

Carboys need to be cleaned by hand using a non-abrasive, neutral pH, mild detergent that does not contain a sheeting agent.

Cap Cleaning: (if applicable)

1. Remove O-ring from cap.
2. Spray and wipe the cap and O-ring with 70% Isopropyl Alcohol.
3. Rinse all parts with DI water.
4. Replace O-ring in cap.
5. Autoclave to sterilize.

Autoclaving:

- Recommended cycle for autoclaving is 121°C at 15 psi for 20 minutes.
- Do NOT place the cap on the carboy, place the cap next to the carboy on the floor of the Autoclave chamber. Autoclaving a sealed carboy can cause internal pressure which can deform the carboy.
- If autoclaving more than one liter of liquid it will take longer to reach the correct temperature.
- It may be practical to autoclave an empty bottle, and then add sterilized liquid using in-line filtration directly into the sterilized container.
- If the containers are not vented properly during the autoclaving and cooling process a partial vacuum could form causing the bottle to collapse. The cap should remain disengaged until the carboy reaches room temperature.
- Some carboys may appear cloudy after autoclaving because of the absorption of water. Cloudiness will dissipate as the plastic dries, but can be accelerated using a drying oven.

Gamma Irradiation Compatibility:

Polypropylene carboys are compatible with gamma irradiation and when requested, these are gamma irradiated with exposures between the minimum specified dose of 25 kGy and the maximum specified dose of 40 kGy. All such VersaCap™ Adapters are "Microbially Controlled" as they are gamma irradiated using ISO 11137 (Method Vdmax25) attain a Sterility Assurance Level (SAL) of 10^{-6} .