

Delasco® Stainless Steel Cryo-Tainer®

The Delasco Cryo-Tainer® is a safety labeled, but otherwise ordinary stainless steel Thermos® vacuum bottle. It is intended for use by those already using and comfortable with handling and transporting cryogenic materials, to reduce the chance of accidental injury from mis-handling of an unlabeled container.

Whereas steel containers are much more resistant to breakage than are glass, the very cold temperatures may result in increased brittleness of the metal, and we recommend the bottles be handled very gently. Should a bottle be dropped while filled with cryogenic gas, Delasco suggests that the bottle be left where it falls and allow the gas to evaporate, and that personnel be kept away from the bottle, until it has warmed and the risk of explosion has dissipated. We further suggest that after such an incident that the bottle be discarded.

The Cryo-Tainer® should only be used by those thoroughly familiar with use of stainless steel vacuum bottles with cryogenic materials.

Use only the provided closures and cup as these have been permanently vented to prevent pressure buildup. All seals and washers have been removed to help avoid inadvertent pressure buildup. Never replace seals or use an unvented closure cap. If local humidity conditions require, the holes may be enlarged. Inspect the cap vent holes prior to each filling to insure they are not clogged with debris. Never fill the Cryo-Tainer® if the vents are not clear.

(CTS-4, CTS-5): Before filling and using the container, the two closure pieces should both be removed. During transport; Although the closures have been vented, we suggest the closures be left slightly loose, and never tightened fully. Whereas the design was intended to allow pouring of hot and cold liquids by simply unscrewing the inner closure, the rapid warming of the liquid from contact with these parts results in a pressure which interferes with safe pouring and handling. Delasco recommends complete removal of all closures from the Cryo-Tainer before transferring liquid out of the container.

Metal probes, glass rods, or metal dippers or brass separators from withdrawal devices should NEVER be placed within the bottle, as it may scratch and damage the bottle's structural integrity.

Avoid contamination of the bottle with virus particles by not placing contaminated treatment swabs into the bottle. We suggest using an organizer with an insulated well holding a removable and autoclavable stainless steel cup, capable of holding 30-45 ml of LN for up to 15 minutes, sufficient time to treat a patient.

Approximate nominal hold times: CTS-4 = 24 hours
CTS-5 = 36 hours

Cleaning and Storage:

- Clean the unit using warm water and a household detergent or mild soap solution. Then, completely rinse with warm water, ensuring all cleaning solution has been removed. Turn upside down and allow to drain and dry completely before use.
- Avoid strong cleaning agents, abrasives, bleach products, and other substances that could cause corrosion.
- Store the unit in a clean and dry area.

**KEEP FILLED BOTTLE AWAY FROM CHILDREN.
16 oz - CTS-4; 1 liter (33.8 oz) - CTS-5**

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