

# CellSeal® Vial Adapter

## Product Instructions

### Product Description

CellSeal® Vial Adapter is designed to facilitate retrieval of sample material from CellSeal Closed System Cryogenic Vials. Two product versions are available; one for syringe retrieval from a luer-activated fitting (CSA-S) and one for retrieval via sterile tube welding (CSA-W).

### Precautions

- Single-use product. Attempts to reprocess, re-sterilize, and/or reuse may result in product failure and/or contamination of the sample.
- Discard product if mishandling occurs or product is expired.
- Septum puncture should be performed in a biosafety cabinet using aseptic technique.
- Reference CellSeal vial user guide for instructions on proper use of the vial.

### Storage

This product is supplied sterile following electron beam radiation. Product should be stored within the sterile packaging in a clean, dry location at room temperature.

### Recommended Materials

Biosafety cabinet  
Exam gloves  
Syringe with male luer lock connection (CSA-S only)  
Sterile tubing welder (CSA-W only)  
Scissors

### User Instructions

- 1. Open pouch.** In a biosafety cabinet using aseptic technique, open the sterile pouch per standard operating procedures.
- 2. Prepare adapter.**  
**CSA-S:** Pre-load the syringe with a few milliliters of air. Attach syringe to Vial Adapter via luer lock connection. Expel pre-loaded air to ensure the luer-activated valve is open.  
**CSA-W:** Close pinch clamp.
- 3. Prepare vial retrieval port.** Remove foil cover on the bottom of the retrieval port. Thoroughly swab the retrieval port septum with a sterile alcohol wipe. Allow to air dry up to 1 minute before accessing.
- 4. Puncture vial septum.** As shown in the following images, grip CellSeal vial in one hand and Vial Adapter body in opposite hand. Align the adapter so that the spike enters the septum perpendicular to the septum surface. Maintain a secure grip and apply steady force until the septum is fully pierced.

**Note – CSA-W only:** Once the vial septum has been pierced, the entire assembly is considered closed and may be removed from the biosafety cabinet as long as the Vial Adapter remains connected to the vial.



### 5. Prepare for sample retrieval.

**CSA-S:** Go to next step.

**CSA-W:** Using standard techniques, sterile weld the Vial Adapter tubing to a downstream process with compatible 4mm OD x 2mm ID PVC tubing.

- 6. Vent CellSeal vial.** Cut open the vial vent tube with clean scissors (reference CellSeal user guide). Use caution to ensure the fill tube is not also cut.

### 7. Withdraw sample from vial.

**CSA-S:** Securely grip the Vial Adapter body, not the vial itself, and gradually withdraw the syringe plunger until the sample is fully retrieved.

**CSA-W:** Using standard techniques, sterile weld the Vial Adapter tubing to a downstream process with compatible 4mm OD x 2mm ID PVC tubing.



### 8. Disconnect and dispose

**CSA-S:** Grip the Vial Adapter body and disconnect the syringe. Dispose of vial and Vial Adapter according to standard procedures.

**CSA-W:** Clamp and/or seal tubing to isolate Vial Adapter from downstream process. Cut tubing and dispose of vial and Vial Adapter according to standard procedures.