

# CellSHIELD® Sampling Kit Syringe

**Closed-system sampling device for sterile collection of biological samples**

Catalog #100-2250

15 Units

Catalog #100-2251

15 Units



Scientists Helping Scientists™ | [WWW.STEMCELL.COM](http://WWW.STEMCELL.COM)

TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713

[INFO@STEMCELL.COM](mailto:INFO@STEMCELL.COM) • [TECHSUPPORT@STEMCELL.COM](mailto:TECHSUPPORT@STEMCELL.COM)

FOR GLOBAL CONTACT DETAILS VISIT OUR WEBSITE

## Intended Use

CellSHIELD® Sampling Kit Syringe is a closed sterile device used for collecting biological samples during manufacturing processes and laboratory use.

## Product Description

CellSHIELD® Sampling Kit Syringe is a fully closed, sterile, single-use device designed for general laboratory use, including the collection of biological samples during manufacturing processes. Its closed-system design minimizes contamination and leakage, converting open-system manufacturing steps into closed processes. This product is available as a medical device in the United States.

CellSHIELD® Sampling Kit Syringe supports applications such as medium or cell culture sampling, air removal from cell culture bags, and sterile transfer of samples. Graduation marks on the body of the CellSHIELD® Syringe Unit help to ensure the appropriate volume of sample is removed without excessive waste.

The device features a fully encapsulated structure that prevents syringe-plunger detachment and minimizes contamination risk. Its built-in pressure equalization system uses a unique dual-needle, air-to-liquid exchange mechanism to maintain equal pressure throughout the process. One of the two central needles is dedicated to drawing in the sample, while the other exclusively handles sterilized air. As the sample is drawn into the syringe, sterilized air simultaneously flows out through the second needle via a hydrophobic filter, remaining completely isolated from the sample.

For more information on this product's regulatory compliance, quality assurance, quality control, medical device standards compliance, biocompatibility, safety, and sterility, contact us at [techsupport@stemcell.com](mailto:techsupport@stemcell.com).

Catalog #100-2250, 15 Units - 35 mL (EQUASHIELD Catalog #SK-35/2), individually wrapped

Catalog #100-2251, 15 Units - 5 mL (EQUASHIELD Catalog #SK-5/2), individually wrapped

## Microbial State

CellSHIELD® Sampling Kit Syringe is sterilized using ethylene oxide to a sterility assurance level of  $10^{-6}$  in a process that conforms to the applicable requirements of ISO 11135. Do not use if the integrity of the packaging is compromised. Do not re-use.

## Storage and Stability

Store at ambient temperature. Product stable at ambient temperature until expiry date on label.

## Warnings and Precautions

The device is sterile. Do not use the device if the sterile package is damaged. In such a case, the sterility of the device may be compromised.

This device is not to be used with high-pressure infusion systems.

The fluid path of CellSHIELD® contains the following materials: polypropylene, polyisoprene, medical silicone, stainless steel, acrylonitrile butadiene styrene (ABS), and rigid polyvinyl chloride (PVC); all materials are free of latex and di(2-ethylhexyl) phthalate (DEHP).

Refer to the Instructions for Use included in the packaging for additional warnings and precautions.

## Features

### MATERIALS

- Filter on tubing end: hydrophobic expanded polytetrafluoroethylene (ePTFE) membrane on non-woven polyolefin
- Water breakthrough in product release is  $\geq 370$  kPa with pressure held for 60 seconds
- DEHP- and BPA-free

### DIMENSIONS

- Tubing external diameter: 4.1 mm
- Tubing internal diameter: 2.9 mm
- Filter pore size: 0.2  $\mu$ m

### CAPACITY

- 35 mL (Catalog #100-2250); graduations every 1 mL
- 5 mL (Catalog #100-2251); graduations every 0.2 mL

### STERILITY

- Ethylene oxide treatment

## Materials Required but Not Included

The following laboratory equipment is required:

- Sterile tubing welder
- Sterile tube sealer
- Collection tube (e.g. Catalog #38009/38010)

## Directions for Use

NOTE: CellSHIELD® Sampling Kit consists of a CellSHIELD® Syringe Unit attached to a CellSHIELD® Tubing Set.

Refer to the Instructions for Use included in the packaging for directions on drawing a sample or air and expelling a sample from the syringe.

## Related Products

For a complete list of related products, visit [www.stemcell.com](http://www.stemcell.com), or contact us at [techsupport@stemcell.com](mailto:techsupport@stemcell.com).

## Technical Assistance

For technical support, contact [techsupport@stemcell.com](mailto:techsupport@stemcell.com) or call toll-free +1.800.667.0322 (North America). For more information, visit [www.stemcell.com](http://www.stemcell.com).

THIS PRODUCT IS MANUFACTURED AND ASSEMBLED IN A GMP COMPLIANT PROCESS UNDER A QMS COMPLIANT WITH ISO 13485, MEDICAL DEVICES - QUALITY MANAGEMENT SYSTEMS - REQUIREMENTS OF REGULATORY PURPOSES.

Copyright © 2025 by STEMCELL Technologies Inc. All rights reserved including graphics and images. STEMCELL Technologies & Design, STEMCELL Shield Design, and Scientists Helping Scientists are trademarks of STEMCELL Technologies Canada Inc. CellSHIELD and EQUASHIELD are registered trademarks of Equashield Medical Ltd. All other trademarks are the property of their respective holders. While STEMCELL has made all reasonable efforts to ensure that the information provided by STEMCELL and its suppliers is correct, it makes no warranties or representations as to the accuracy or completeness.