

Corning Incorporated  
Life Sciences

Registered  
ISO 9001:2008

# Product Description

**Catalog Number:** 8160

**Product Description:** Costar® Spin-X® centrifuge tube filter cellulose acetate membrane 0.22 µm pore size

**Component Materials:**

- Tube - Virgin Polypropylene, meets *USP, Class VI* requirements for plastic containers and closures.
- Filter Unit - Virgin Polypropylene, meets *USP, Class VI* requirements for plastic containers and closures.
- Membrane - Cellulose Acetate, 0.22 µm pore size, meets *USP, Class VI* requirements for plastic containers and closures.

**Product Dimensions:**

- |                         |   |          |                           |   |              |
|-------------------------|---|----------|---------------------------|---|--------------|
| Filter Unit Length      | - | .808 in. | Tube Length w/filter unit | - | 1.800 in.    |
| Filter Unit ID/top      | - | .380 in. | Tube OD below shoulder    | - | .434 in.     |
| Filter Unit OD/shoulder | - | .375 in. | Tolerances                | - | +/- .050 in. |
| Working Volume          | - | .5 mL    | Tube Volume               | - | 2 mL         |

**Maximum RCF:**  
16,000

**Sterilization:**

The lot has been irradiated and dosimetrically released based on ANSI/AAMI/ISO 11137 *Sterilization of health care products-Requirements for validation and routine control-Radiation sterilization.*  
Sterility Assurance Level: SAL 10<sup>-3</sup>

**Pyrogens:**

The product has been tested and has met the criteria established in the current version of ANSI/AAMI ST 72: *Bacterial Endotoxins - Test methodologies, routine testing, and alternative to batch testing.*  
Results: ≤ 0.1 EU/mL ( ≤ 4EU/device)

**RNase/DNase Testing:**

This product has been tested and is free of any detectable RNase/DNase contamination.

**Membrane Bubble Point Integrity:**

The membrane has been tested according to an established procedure to determine the water bubble point. The membrane meets the established criteria of minimum 37 psi.

**Membrane Bacterial Retention:**

The membrane has been tested according to the HIMA document No. 3, Vol. 4 "Microbiological Evaluation of Filters for Sterilizing Liquids."

**Performance Testing:**

- Each manufacturing lot is sampled and tested in accordance with Standard Operating Procedures.
- Integrity Testing: Forward pressurization of filter unit to 12 psi.
- Visual Attributes: Visual examination of the product.
- Packaging: Inspection for seal and barrier integrity, accurate labeling, and correct product configuration.

**Bovine Spongiform Encephalopathy and Transmissible Spongiform Encephalopathy:**

This product is manufactured and packaged with animal free materials.

**Lot Number Designation:**

8 Digit Lot Number: First 3 digits - Julian date, start of manufacturing; Next 2 digits - Year of manufacture; Last 3 digits - Batch identification.