

# 12 mm CELLTREAT® 0.4 µm Polyethylene Membrane Inserts



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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)

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## Polystyrene plate with lid and polyethylene membrane inserts

Catalog # 100-1027

24 Inserts

## Product Description

CELLTREAT® 0.4 µm Polyethylene Membrane Inserts support the growth of both anchorage-dependent and anchorage-independent cells, including those that are fed at the basolateral surface or in co-culture systems. These permeable inserts have a pore density of  $2 \times 10^6$  pores/cm<sup>2</sup> and are recommended for culturing airway epithelial cells at the air-liquid interface; they can be used in studies related to infectious and genetic disease modeling, drug discovery, toxicity testing, and epithelial cell biology. This product has been verified for use with PneumaCult™-Ex Plus Medium (Catalog #05040), PneumaCult™-ALI Medium (Catalog #05001), and IntestiCult™ Organoid Differentiation Medium (Human; Catalog #100-0214).

Catalog #100-1027, 2 x 12-well plates, each with 12 inserts (alternative to Costar® 12 mm Transwell®, 0.4 µm Pore Polyester Membrane Inserts [Catalog #38023])

### APPLICATIONS

- Air-liquid interface (ALI) culture
- Anchorage-dependent and anchorage-independent cell culture
- Basolateral feed cell culture
- Co-culture system

## Properties

**Storage:** Store at 15 - 25°C.

**Shelf Life:** Stable until expiry date (EXP) on label. Avoid direct exposure to sunlight and high atmospheric humidity as these conditions may directly impact the product's packaging over time.

## Features

### MATERIALS

- Plate and lid: polystyrene, meets USP, Class VI requirements
- Membrane: transparent polyethylene, meets USP, Class VI requirements
- RNase/DNase-free and non-pyrogenic
- All material resins are qualified using USP and/or ISO 10993 standards for cytotoxicity and have been shown to be non-toxic

### DIMENSIONS

- Plate: conforms to standard plate footprint and dimensions
- Insert: conforms to standard well dimensions of a 12-well plate

### STERILITY

- Gamma irradiation

## Directions for Use

Use as directed in protocol of choice.

## Notes and Tips

For chemical resistance or thermoplastic property information, contact us at [techsupport@stemcell.com](mailto:techsupport@stemcell.com).

## Related Products

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

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