

GyneCult™ Fallopian Tube Organoid Medium

Cell culture medium for expansion and differentiation of human fallopian tube organoids

Catalog #100-1245 1 Kit



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Product Description

GyneCult™ Fallopian Tube Organoid Medium (FTOM) is a serum- and phenol red-free medium for culturing freshly isolated or cryopreserved primary human fallopian tube epithelial cells in matrix-embedded droplet organoid cultures. Single cells seeded into GyneCult™ FTOM cultures grow into cystic organoids (50 - 500 µm in diameter) within 10 days, at which point they are ready for passage by dissociating into single-cell suspensions and subculturing. Cultures can be passaged at least 5 times for a minimum of 15 - 20 doublings with an organoid-forming frequency of 5 - 25% (i.e. the number of organoids expected per hundred cells seeded).

Mature organoids (10+ days after seeding) recapitulate both fallopian tube epithelial lineages, with a majority of organoids containing both secretory and ciliated cells, which express secretory cell markers (e.g. PAX8, OVGP1, keratin 7), and ciliated cell markers (e.g. acetylated-tubulin, FOXJ1), respectively. Bundles of beating cilia are readily observable with high-powered brightfield microscopy in GyneCult™ FTOM-derived organoids 12 days after seeding.

Morphology, lineage makeup, and growth kinetics remain consistent from early to late passages. Cultured cells can be cryopreserved during culture and resuscitated as needed without growth lag, phenotypic changes, or diminished performance.

Product Information

The following components are sold as a complete kit (Catalog #100-1245) and are not available for individual sale.

COMPONENT NAME	COMPONENT #	QUANTITY	STORAGE	SHELF LIFE
GyneCult™ Fallopian Tube Organoid Basal Medium	100-1244	90 mL	Store at 2 - 8°C.	Stable until expiry date (EXP) on label.
GyneCult™ Fallopian Tube Organoid Medium 5000X Supplement	100-1243	1.5 mL	Store at -20°C.	Stable until expiry date (EXP) on label.
GyneCult™ Fallopian Tube Organoid Medium 100X Supplement	100-1246	1 mL	Store at -20°C.	Stable until expiry date (EXP) on label.
GyneCult™ Fallopian Tube Organoid Medium 10X Supplement	100-1247	10 mL	Store at -20°C.	Stable until expiry date (EXP) on label.

Directions for Use

For complete instructions, refer to the Technical Manual: GyneCult™ Fallopian Tube Organoid Medium (Document #1000024527), available at www.stemcell.com, or contact us to request a copy.

Related Products

For related products, including specialized culture and storage media, supplements, antibodies, cytokines, and small molecules, visit www.stemcell.com, or contact us at techsupport@stemcell.com.

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