

India Contact: Life Technologies (India) Pvt. Ltd.
Mobile: +91-9810521400, Ph: +91-11-42208000
Email: customerservice@lifetechindia.com
Web: www.lifetechindia.com

Product Information

CF1 MEF Feeder Cells (irradiated)

Catalog Number	10MU-001	Cell Number	4.0 million cells/vial
Species	<i>Mus Musculus</i>	Storage Temperature	Liquid nitrogen

Product Description

iMEF Feeders are derived from CF1 mouse embryos and are ideal for supporting healthy undifferentiated human and mouse embryonic stem cells (ESC) and induced pluripotent stem cells (iPSC) as the traditional feeder layer. These cells are mitotically arrested by γ -irradiation to stop further proliferation.

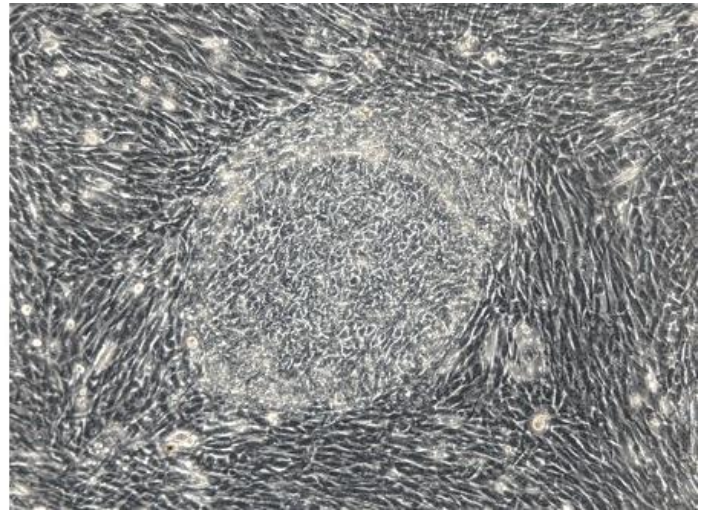
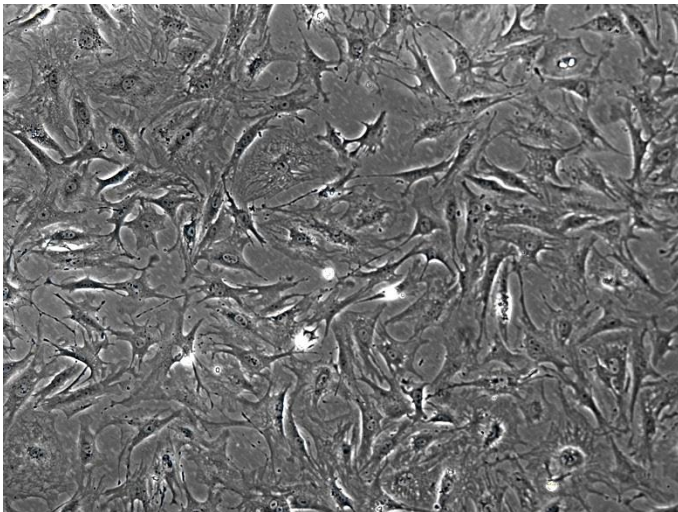


Figure 1. CF1 MEF feeder cells (Left) efficiently support the growth of human iPSCs (Right) in vitro.

Product Details

Tissue	CF1 mouse embryos (E13.5)
Package Size	4.0 million cells/vial
Shipped	Frozen
Storage	Liquid nitrogen
Growth Properties	Adherent
Media	Mouse Embryonic Fibroblasts (MEF) Growth Medium (Cat# MD-0016)

Protocols

Thawing of Frozen Cells

1. Upon receipt of the frozen cells, it is recommended to thaw the cells and initiate the culture immediately in order to retain the highest cell viability.
2. To thaw the cells, put the vial in 37°C water bath with gentle agitation for ~1min. Keep the cap out of water to minimize the risk of contamination.
3. Pipette the cells into a 15ml conical tube with ~5ml fresh MEF Growth Medium (Cat# MD-0016).
4. Centrifuge at 1,000rpm (~220g) for 5min under room temp.
5. Remove the supernatant and re-suspend the cells in fresh culture medium.
6. Transfer the cells into 0.1% gelatin coated tissue culture dishes and move them to 37°C incubator (5% CO₂) for continuous culture. 2.5 – 3.5 x 10⁵ cells/well (6-well plate) is recommended for hESC/iPSC maintenance.
7. Seed the ES/iPSC on top of the feeder layers the next day.

Safety Precaution: *it is highly recommended that protective gloves and clothing should be used when handling frozen vials.*

Disclaimers

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