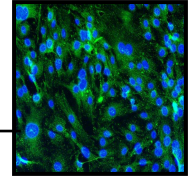


Clonetics™ mouse embryonic fibroblast cells

Technical data sheet



Introduction

Mouse primary embryonic fibroblasts (MEF) are dissociated from day 14 and 15 post-coitus CD-1 mouse embryos, expanded and then cryopreserved as frozen primaries. Each vial contains at least 2 million cells. MEF are convenient and easy to use, allowing the researcher to focus on results. MEF can be passaged a limited number of times; they are guaranteed for 5 population doublings and display morphologic and growth properties equivalent to freshly prepared cells when approved media and supplements are used.

Characterization of cells

Each lot of MEF is tested using mycoplasma PCR, bio-burden assay, and immunohistochemistry of vimentin expression.

Recommended medium

The recommended medium for the MEF is Lonza DMEM high glucose containing 10% FBS.

Performance

Recommended seeding density for subculture:
8000 cells/cm²

Number of cells	Plating format
0.2 million cells	T-25
0.6 million cells	T-75
1.4 million cells	T-175
6000 cells/well	48-well plate
3000 cells/well	96-well plate

Quality control

The cells test negative for mycoplasma and bacteria. Cell viability, morphology and proliferative capacity are measured after recovery from cryopreservation. A certificate of analysis (COA) for each lot is shipped with each order. COAs for all other products are available upon request.

Ordering information

M-Fb-481	Mouse embryonic fibroblasts	≥ 2 million cells in a 1 ml cell suspension
12-604F	DMEM, high glucose	500 ml
14-503E	FBS, US origin, heat inactivated	100 ml
17-603E	Penicillin-streptomycin mixture	100 ml
17-161E	Trypsin-Versene® mixture	100 ml

Product warranty

CULTURES HAVE A FINITE LIFESPAN *IN VITRO*. Lonza guarantees cell performance only when the approved media and supplements are used.

THESE PRODUCTS ARE FOR RESEARCH USE ONLY. Not approved for human or veterinary use, for application to humans or animals, or for use *in vitro* diagnostic or clinical procedures. **WARNING:** Handle as a potentially biohazardous material under biosafety level 1 containment. These cells are not known to contain an agent known to cause disease in healthy adult humans. These cells have not been screened for hepatitis B, human immunodeficiency viruses or other adventitious agents. If you require further information, please contact your site safety officer or scientific support.