

CF-1 Mouse Embryonic Fibroblast (MEF) feeder cells, Mitomycin-C treated

Cat # 003MEF-MITC

DESCRIPTION	CF-1 Mouse Embryonic Fibroblast (MEF) feeder cells, Mitomycin-C treated. Mitotically inactivated fibroblasts should be used as a support layer for embryonic stem (ES) cells and induced pluripotent stem (iPS) cells.
SOURCE	CF-1 Mouse Embryonic Fibroblast from ATCC (Ref. SCRC-1040).
CONTENTS	$\geq 2.10^6$ cells in 1 ml appropriate cryopreservation medium.
PASSAGE NUMBER	$\leq P6$.
TREATMENT	Mitomycin C treated.
COMPLETE GROWTH MEDIUM	DMEM (Thermo Fisher, ref. 41966) supplemented with 15% ES Cell-qualified FBS (Thermo Fisher, ref. 16141).
SHIPPING CONDITION	Dry-ice.
STORAGE CONDITION	Store in Liquid Nitrogen.
QUALITY CONTROL	Tested for bacteria, fungi and mycoplasma.
PROTOCOL	<p><i>Thawing and Plating the MEF:</i></p> <p>All medium and reagents used in the culture of this product should be warmed to 25–37°C before use.</p> <p>Perform all activities under aseptic culture conditions.</p> <ol style="list-style-type: none"> 1. Place the frozen vial into a 37°C water bath and retrieve the vial before the contents are completely thawed (1–2 minutes). 2. Immediately transfer the contents of the vial to a 15-ml tube containing 10 ml complete growth medium. 3. Spin the tube at 200 g for 5 minutes. 4. Resuspend the pellet in complete growth medium and plate the cells to appropriate size coated tissue culture flask at the required density (2.0×10^4 to 5.3×10^4 cells/cm² depending on the ES cell line being cultured). Feeder cells should be plated 24 hours prior to plating the ES cells.

All products are intended for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic purposes.