ATCC

Product Sheet

Mouse ES Cell Basal Medium (ATCC® SCRR-2011™)

Please read this FIRST

Storage Temp.
Store medium at 2°C to 8°C in the dark when not in use.

Biosafety Level
1

Description

Product Description:
ATCC® Mouse ES Cell Basal Medium is a sterile liquid tissue culture medium containing phenol red that has been optimized to support the undifferentiated self-renewal cycle related to mouse embryonic stem cell growth.
The medium contains a stable glutamine dipeptide, providing a long shelf-life when handled and stored properly. The medium may be supplemented by addition of ES-Cell Qualified Fetal Bovine Serum (FBS) or a serum replacement designed for mouse ES cells.
This medium can support the growth of mouse ES cells on either a mitotically inactivated layer of mouse embryonic fibroblast (MEF) feeder cells, or in a feeder-free environment using gelatin-coated plates.
Volume: 500 mL

Directions for Use

Preparation of Complete Growth Medium for Mouse ES Cells
Grow ES cells in Mouse ES Cell Basal Medium that has
been supplemented with the following components:

- 0.1 mM 2-mercaptoethanol (Invitrogen Cat. No. 21985)
- 1,000 U/mL mouse leukemia inhibitory factor (LIF) (Chemicon Cat. No. ESG1107)
- 10% to 15% ES-Cell Qualified FBS (ATCC® SCRR-30-2020) or an ES cell qualified serum replacement

Complete Growth Medium for Mouse ES Cells is stable for 14 days when stored at 2°C to 8°C.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.
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