



Mouse ES Cell Basal Medium

SCRR-2011™

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 the 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

Storage Conditions

Storage conditions: 2°C to 8°C

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories*

(BMBL), U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Handling Procedures

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.

Quality Control Specifications

Bacterial and fungal testing: Not detected

Mycoplasma contamination: Not detected

Osmolality: 260 to 285 mOsm/kg

pH: 7.1 to 7.5

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Mouse ES Cell Basal Medium (ATCC SCRR-2011)

References

References and other information relating to this material are available at www.atcc.org.

Warranty

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Product Sheet

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