

Tribo™ Germline Transmission qualified Fetal Bovine Serum (FBS) (Catalog# TBS8001)

DESCRIPTION

Tribo™ Germline Transmission Qualified Fetal Bovine Serum (FBS) is used for mouse embryonic stem cells (ESC), induced pluripotent cells (iPSC), and adult stem cells. The product is tested for reprogramming mouse fibroblast to iPSCs and maintaining ESC/iPSC in undifferentiated status and go germline transmission of mouse ESC/iPSC. The product can also be used for culturing the other mammalian cells, such as primary cells and many cell lines.

APPLICATIONS

Cell cultures for mouse embryonic stem cells, induced pluripotent cells, and adult stem cells.

KEY FEATURES

Better programming.
Longer maintaining undifferentiated status.
High germline transmission efficiency.

QTY/BOTTLE

500ml/bottle

STORAGE CONDITIONS

The product can be stored for 5 years from the date of manufacture between - 20°C to - 80°C. Do NOT store in an auto-defrost or frost-free freezer in which the FBS undergoes multiple freeze/thaw cycles.

SHIPPING

Shipped on dry ice. Place in < - 20°C upon receiving.

THAWING PROCEDURE

Remove the bottle(s) from freezer and stay in room temperature for 10 minutes. Place the bottle into a 37°C water bath until the material becoming liquid completely. Shake the bottle(s) every 5 ~10 minutes to shorten the thawing time. The FBS can be aliquot into the amount of one time usage and stored between - 20°C to - 80°C for long term usage or in a 4°C refrigerator for up to 3 weeks. TBS recommends reducing the freeze/thaw cycles for FBS. Some precipitate or flocculent materials may be observed after thawing. It is normal, non-toxic, and not detrimental to the performance of the FBS.

SUGGESTED COMPLETE MEDIUM FOR MOUSE ESC/iPSC CULTURE (500 mL)

- 390 mL high-glucose DMEM with glutamine and sodium pyruvate.
- 100 mL FBS (Cat# TBS8001).
- 5 mL 100x non-essential amino acids (200mM).
- 0.1mM beta-mercaptoethanol.
- 50 µL 107 units of LIF (1000U/ml).
- 5 mL 100x Penicillin-streptomycin (5mg/mL).

RELATED PRODUCTS

ESC/iPSC-qualified FBS(TBS8002)
0.1% Gelatin Solution (catalog# TBS8004)
1XPBS (Catalog# TBS5003, Sterile)
AP Staining Kit I (Catalog#TBS2080)
AP Staining Kit II (Catalog#TBS2085)

This product is for *in vitro* research use only and is not intended for use in humans or animals in therapeutic or diagnostic procedures.