

Tribo™ ESC/iPSC-qualified Fetal Bovine Serum (FBS) (Catalog# TBS8002)

DESCRIPTION

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

APPLICATIONS

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

KEY FEATURES

Better programming.
Maintains undifferentiated status for longer.
Heat-inactivated.

QTY/BOTTLE

100mL/bottle
500mL/bottle

STORAGE CONDITIONS

The product can be stored for 5 years from the manufacture date 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 store at room temperature for 10 minutes. Place the bottle into a 37°C water bath until the solution fully melts to a liquid state. Shake the bottle(s) every 5-10 minutes to shorten the thawing time. The FBS can be aliquoted into the amount appropriate for one time usage and stored at 4°C for up to 3 weeks while the rest is stored between -20°C and -80°C for long term. TBS recommends reducing the freeze/thaw cycles for FBS. Some precipitate or flocculent materials may be observed after thawing. This is normal with the precipitate or flocculent material being non-toxic and non-detrimental.

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

- 390mL high-glucose DMEM with glutamine and sodium pyruvate.
- 100mL FBS (Cat# TBS8002).
- 5mL 100x non-essential amino acids (200mM).
- 0.1mM beta-mercaptoethanol.
- 50µL 107units of LIF (1000U/ml).
- 5mL 100x Penicillin-streptomycin (5 mg/mL).

RELATED PRODUCTS

Germine Transmission Qualified Fetal Bovine Serum (FBS) (Catalog# TBS8001)
0.1% Gelatin Solution (Catalog# TBS8004)
1x PBS (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.