

Tribo™ Adipocyte Differentiation-qualified Fetal Bovine Serum (FBS) (Catalog# TBS8016)

DESCRIPTION

Tribo™ Adipocyte Differentiation-qualified Fetal Bovine Serum (FBS) is screened for its efficiency for adipocyte differentiation from mouse and human preadipocytes as well as mouse embryonic fibroblasts. When tested, it can induce adipocyte differentiation to more than 95% from mouse cell lines 3T3L1 and OP9 cells, as well as mouse stromal vascular cells (See picture). The product can also be used for culturing the other mammalian cells, such as primary cells and many cell lines.

APPLICATIONS

Cell cultures for adipocyte differentiation, and other cells.

KEY FEATURES

Better programming.
Longer maintaining undifferentiated status.

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

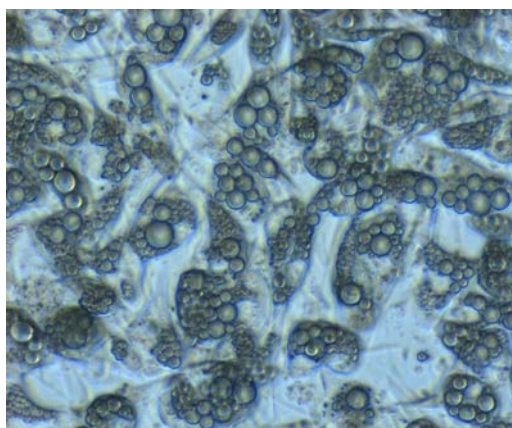
Shipped on dry ice. Place in < - 20°C upon receiving.

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 (TBS8016).
- 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

Adipocyte Differentiation Cocktail (TBS8017)
Germline Transmission Qualified Fetal Bovine Serum (FBS)(TBS8001)
ESC/iPSC-qualified Fetal Bovine Serum (FBS) (TBS8002)
0.1% Gelatin Solution (TBS8004)
1XPBS (TBS5003, Sterile)
AP Staining Kit I (TBS2080)
AP Staining Kit II (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.