

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

DESCRIPTION

Tribo™ Adipocyte Differentiation-qualified Fetal Bovine Serum (FBS) is heat-inactivated and can be used for adipocyte differentiation from embryonic fibroblasts and preadipocytes, human and mouse. When tested, it can induce adipocyte differentiation to more than 95% of 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.
Heat-inactivated.

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

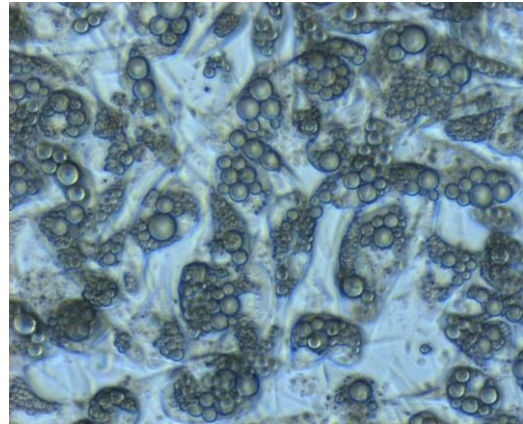
Shipped on dry ice. Place in - 20°C upon receiving.

THAWING PROCEDURE

Remove the bottle(s) from freezer and store at room temperature for 10 minutes. Place the bottle in a 37°C water bath until the material fully melts. Shake the bottle(s) every 5-10 minutes to accelerate the process. The FBS can be aliquoted into an 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 storage. TBS recommends reducing the number of 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 (TBS8016).
- 5mL 100x non-essential amino acids (200mM).
- 0.1mM beta-mercaptoethanol.
- 50µL 107 units of LIF (1000 U/ml).
- 5mL 100x Penicillin-streptomycin (5 mg/mL).



RELATED PRODUCTS

Adipocyte Differentiation Cocktail (Catalog# TBS8017)

Germine Transmission Qualified Fetal Bovine Serum (FBS)(Catalog# TBS8001)

ESC/iPSC-qualified Fetal Bovine Serum (FBS) (Catalog# 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.