

Tribo™ Peripheral Blood Mononucleated Cell (PBMC) Qualified Fetal Bovine Serum (FBS) (Catalog# TBS8015)

DESCRIPTION

A peripheral blood mononucleated cell (PBMC) is defined as any blood cell with a round nucleus (i.e. a lymphocyte, a monocyte, or a macrophage). These blood cells are a critical component in the immune system. The lymphocyte population consists of CD4+ and CD8+ T cells, B cells and Natural Killer cells, CD14+ Monocytes, and Basophils/ Neutrophils/ Eosinophils/ Dendritic cells. These cells are often extracted from whole blood or from leukopacks.

Tribo™ **Peripheral Blood Mononucleated Cell (PBMC) FBS** is used for PBMC isolation and culture. The product is tested in PBMC, can also be used for culturing the other mammalian cells, such as primary cells and many cell lines. The PBMC-FBS is of U.S. origin. It meets the highest industry standards for endotoxin and hemoglobin levels and supports the growth of PBMC and other cell and cell lines.

APPLICATIONS

Suitable for isolation and culture hPBMC or other cells.

KEY FEATURES

Triple 0.1um sterile filtered;
Heat inactivated;
Mycoplasma-tested and virus-screened

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 PREPARATION

For use in cell culture media, supplementation with FBS ranges from 5-20%. Optimal concentration must be determined for each cell line and application.

RELATED PRODUCTS

ESC/iPSC-qualified FBS(TBS8002)
0.1% Gelatin Solution (TBS8004)
Horse Serum (TBS8007)
Cancer Cell qualified FBS (TBS8014)
PBMC Freezing Medium (TBS8016)
1XDPBS (TBS5027, 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.