

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 (e.g. a lymphocyte, monocyte, or 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, Dendritic cells, and Granulocytes such as Basophils, Neutrophils, and Eosinophils. These cells are often extracted from whole blood or from leukopacks.

The **Tribo™ Peripheral Blood Mononucleated Cell (PBMC) FBS** is designed for PBMC isolation and culture. The product has been tested in PBMC and can be used for culturing 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 0.1µm sterilized and 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 in dry ice. Place at -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 material fully melts. Shake the bottle(s) every 5-10 minutes to shorten the thawing time. The FBS can be aliquoted to 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 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 both non-toxic and non-detrimental.

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 (Catalog# TBS8002)
0.1% Gelatin Solution (Catalog# TBS8004)
Horse Serum (Catalog# TBS8007)
Cancer Cell qualified FBS (Catalog# TBS8014)
PBMC Freezing Medium (Catalog# TBS8016)
1x DPBS (Catalog# TBS5027, 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.