

Lymphocyte Separation Medium (Density 1.077g/mL)

Catalog
TBS8052-500

Unit Size
500 mL

DESCRIPTION

Lymphocyte Separation Medium is a sterile solution specifically designed for isolating lymphocytes from whole blood or other cell suspensions.

Synonyms: Lymphocyte Medium, Separation Medium for Lymphocytes

SPECIFICATION

- Form: Liquid
- Density: 1.077 ± 0.001 g/mL (at 20°C)
- Endotoxin Tested: <0.12 EU/mL

PACK SIZE

500 mL /bottle

STORAGE

The product can be stored at +4°C to +30°C, protected from direct light.

PROTOCOL

1. Anticoagulated blood (citrated or heparinized) should be used.
NOTE: Always treat human and other primate source material as potentially infectious and take safety precautions.
2. Dilute blood 1:1 with calcium-magnesium-free PBS and layer 9 ml onto 6 ml Lymphocyte Separation Medium. Use a clear plastic centrifuge tube with a cap. For large volumes use a similar ratio of diluted blood to Lymphocyte Separation Medium.
3. Centrifuge at 400 x g for 15 minutes.
4. Remove plasma-PBS without disturbing the interface.
5. Collect the interface with a cannula and dilute to 20 ml in serum-free medium, such as RPMI 1640.
6. Centrifuge at 70 x g for 10 minutes.
7. Discard supernatant fluid and resuspend pellet in 2-3 ml serum-free medium.
8. Count nucleated cells on a hemocytometer or

electronic counting device.

9. Lymphocytes will be concentrated at the interface, along with some platelets and monocytes. Granulocytes will be found mostly in the Lymphocyte Separation Medium and erythrocytes will pellet at the bottom of the tube.

RELATED PRODUCTS

1x DPBS (TBS5003)
Cell Culture Grad Water (TBS5050)
2x HBS, pH7.05 (TBS5076)
0.1% Gelatin Solution (TBS8004)
MSC Medium (TBS8021)
MCF-7 Cell Complete Medium (TBS8047)
LB Medium (TBS8056)
SOB Medium (TBS8057)
SOC Broth Medium (TBS8058)
2xYT Broth Medium (TBS8059)
Tryptic Soy Broth (TSB) Medium (TBS8065)
Modified Tryptic Soy Broth (mTSB) Medium (TBS8066)
DMEM Medium (TBS8061)
Chondrogenic Differentiation Medium (TBS8062)
RPMI-1640 (TBS8063)
Hybridoma Growth Medium (TBS8074)
DMEM-F12 Mixture (TBS8083)
Collagen Type I Solution (TBS8096)
a, a-Trehalose dihydrate (TBS0011)

Research Use Only