

Lympho 24+ Spin Medium / PBMC 24+ Spin Medium



Order No.	Size
60-00093-10	100 ml
60-00093-11	250 ml
60-00093-12	500 ml

Description

PBMC Spin 24+ Spin is a ready-to-use, sterile density medium for the isolation of PBMC from 8-24 hour old sample material (peripheral blood, buffy coat) through single step density gradient centrifugation. In contrast to PBMC Spin Medium, the use of PBMC24+ reduce the time dependent contamination with granulocytes and erythrocytes which occurs in PBMC isolation of blood older than 8 hours. With PBMC24+ Spin high purity and a yield up to 80% even 24 hours after sampling are still possible. The enriched cells can be used for a wide range of downstream applications such as magnetic activated cell sorting (MACS) or stem cell research. MACS is a trademark of Miltenyi Biotec GmbH.

Application

Separation scheme for PBMC enrichment with Lympho 24+ Spin Medium

At first carefully layer the sample material on top of the Lympho 24+ Spin Medium. Avoid a mixing of the two phases. Alternatively it's possible to use **pluriMate** tubes. The barrier prevents a mixing of sample material and density solution. Furthermore the tube enables pouring off the enriched cells after the first centrifugation step. After the density centrifugation aspirate the upper layer (Plasma and dilution buffer). Afterwards transfer the mononuclear cell layer to a new conical tube and wash the cells.

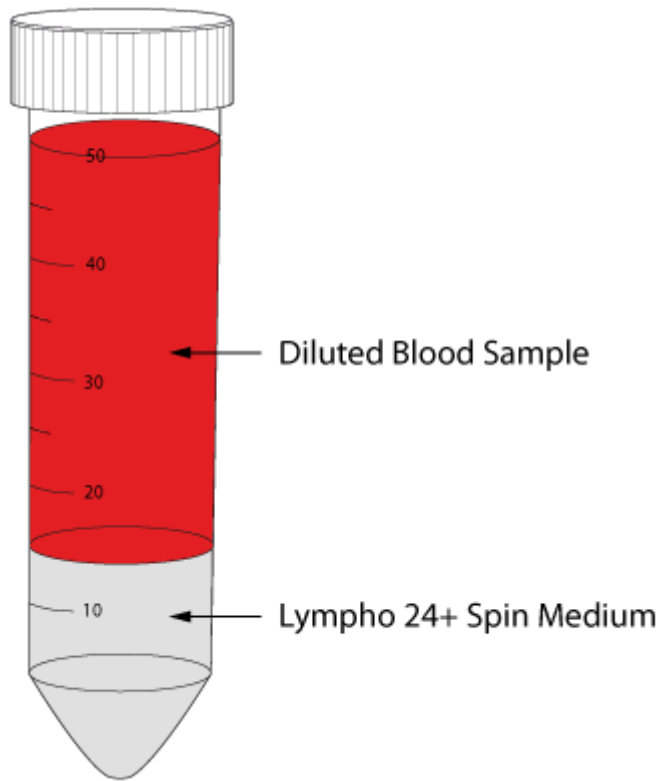


Fig. 1: Preparation of PBMC with Lympho 24+ Spin Medium. The sample material will be overlaid on top of density gradient medium.

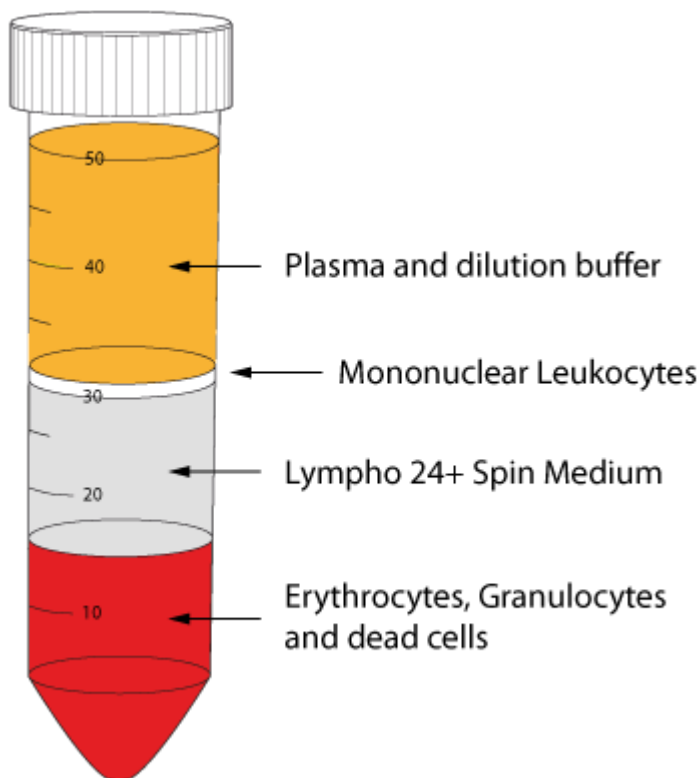


Fig. 2.: Layers after density gradient centrifugation. The PBMC can be found on top of the Lympho Spin Medium. Erythrocytes, Granulocytes and dead cells will pass the medium and can be found at the bottom of the tube.

Additional Information

Sample Material	Whole Blood, PBMC, Buffy Coat, Cord Blood, Bone Marrow, Primary Cell Solution
Storage Condition	Room temperature, protect from light
Regulatory Statement	For research use only. Not for use in diagnostic procedures.
pH Range	6.8 – 7.4

Warning and Limitations

This product is for research and development only, not for diagnostic or therapeutic use.