Lympho Spin Medium / PBMC Spin Medium

Order No.	Size
60-00092-10	100 ml
60-00092-11	250 ml
60-00092-12	500 ml

Description

PBMC Spin is a sterile, ready-to-use density medium for the isolation of peripheral blood mononuclear cells from fresh human blood or buffy coat with a high yield. Cells can be enriched by a single-step density gradient centrifugation with PBMC Spin Medium. Through combination with Leuko Spin Medium in a double gradient centridugation it is possible to isolate and separate granulocytes and PBMCs in one step with high yield and purity. PBMC Spin Medium can be used as substitute for Ficoll-Paque[1], Pancoll[2] and Lymphoprep without any need to change the existing protocols. The enriched cells can be used for a wide range of downstream applications such as MACS, pluriBead or stem cell research.

[1] Ficoll-Paque is a trademark of GE Healthcare/Cytiva
[2] Pancoll is a trademark of PAN-Biotech GmbH
[3] Lymphoprep is a trademark of Alere Technologies Inc
[4] MACS is a trademark of Miltenyi Biotec GmbH

Application

Separation scheme for PBMC enrichment with PBMC Spin Medium

At first carefully layer the sample material on top of the PBMC Spin Medium. Avoid a mixing of the two phases. Alternatively it’s possible to use pluriMate tubes. The barrier prevents the mixing of the two phases and enables to pour 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.

pluriSelect Life Science
Deutscher Platz 5a, 04103 Leipzig, DE
Phone: +49 341 333 858 0 | Fax: +49 341 333 858 99
support@pluriselect.com
https://www.pluriselect.com/

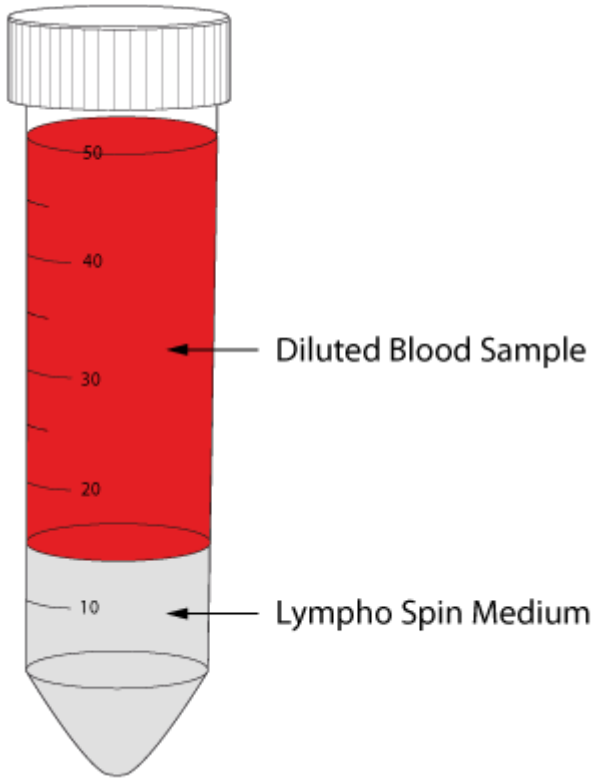

Fig. 1: Preparation of PBMC with Lympho Spin Medium. The sample material will be overlayed on top of density gradient medium.

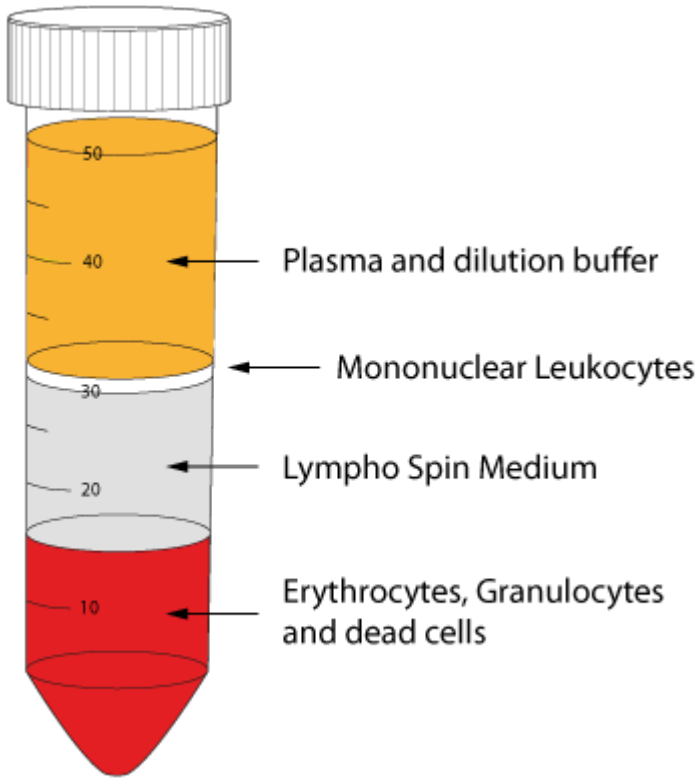

Fig. 2.: Layers after density gradient centrifugation. The PBMC can be found on top of the Lympho Spin Medium. Erythrocytes, Granulocytes and dead cells will pass the medium and can be found at the bottom of the tube.

pluriSelect Life Science
Deutscher Platz 5a, 04103 Leipzig, DE
Phone: +49 341 333 858 0 | Fax: +49 341 333 858 99
support@pluriselect.com
https://www.pluriselect.com/

Additional Information

Delivery Time (days)	1-2
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 theurapeutic use.

pluriSelect Life Science
Deutscher Platz 5a, 04103 Leipzig, DE
Phone: +49 341 333 858 0 | Fax: +49 341 333 858 99
support@pluriselect.com
https://www.pluriselect.com/