Leuko Spin Medium

Order No.	Size
60-00091-10	100 ml
60-00091-11	250 ml
60-00091-12	500 ml

Description

Leuko Spin is a sterile, ready-to-use density medium for the isolation of all Leukocytes from fresh human peripheral blood or buffy coat with a high yield. Mononuclear and polymorphonuclear (multi-lobed nuclei) cells can be enriched by a single-step density gradient centrifugation with Leuko Spin Medium. Through combination with PBMC Spin in a double gradient centridugation it is possible to isolate and separate granulocytes and PBMCs in one step with high yield and purity. The enriched cells can be used for a wide range of downstream applications such as MACS (magnetic activated cell sorting, a trademark of Miltenyi Biotec GmbH) or stem cell research.

Application

Separation scheme for Leukocyte enrichment with Leuko Spin Medium

At first carefully layer the sample material on top of the Leuko 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 step aspirate the upper layer (Plasma and dilution buffer). Then transfer the mononuclear and the polymorphonuclear cell layer to a new conical tube and wash the cells.

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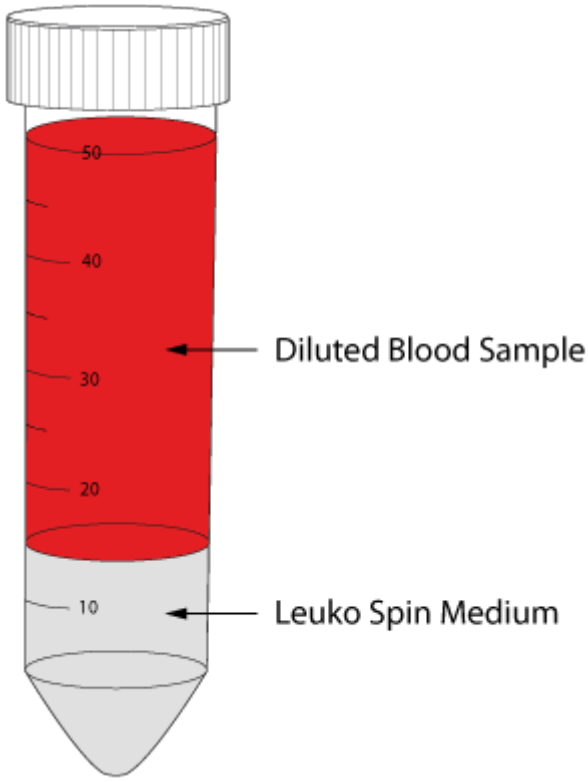

Fig. 1: Isolation of all Leukocytes with Leuko Spin density separation medium.

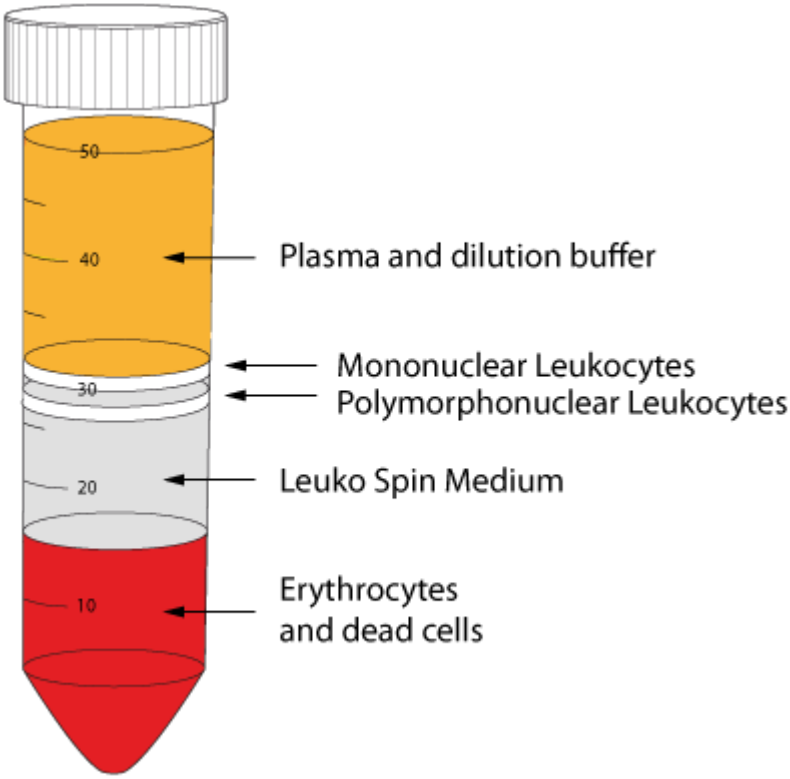

Fig. 2: Enriched peripheral blood mononuclear and polymorphonuclear cells.

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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.

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