

Leucosep™

Enrichment of lymphocytes from whole blood

Leucosep™ is designed to maximise the effectiveness of the separation of lymphocytes and monocytes (PBMCs) from whole blood and bone marrow. As an unique feature Leucosep™ contains a porous barrier made of high quality polyethylene. This porous barrier is firmly positioned in the actual polypropylene tube. It allows for the rapid pouring of the blood sample into the tube without the risk of unwanted mixing of the sample and the separation medium contained below the disc. Furthermore, the separation disc minimises the risk of re-contamination with red blood cells during recovery of the interphase - the interphase may simply be poured out. Leucosep™ may be used in combination with all common separation media for PBMC separation. For maximum convenience Leucosep™ tubes are available as pre-filled tubes. The contained Leucosep™ separation medium has a density of 1.077 g/ml and yields excellent separation results.

Typical results:

Vitality	Viable cells in %	95 ± 5
Cell yield	Lymphocytes in % of original number	60 ± 20
Composition of enriched cell fraction	Mononuclear cells in %	95 ± 5
	Granulocytes in %	5 ± 5
	Erythrocytes in %	< 1
Composition of lymphocyte fraction	T cells in %	83 ± 3
	B cells in %	6 ± 3
	NK cells in %	11 ± 2

Key Facts

- Easy to fill
- Easy recovery of interphase
- No re-contamination with unwanted red blood cells
- PBMC isolation from whole blood in 15 min
- Un-filled or pre-filled with Leucosep™ separation medium



Ordering Information

Thomas No.	Mfr. No.	Product Description	Sample Volume	Qty. per box/case
1182M25	163288	Leucosep™ Tube, 12 ml, aseptic, pre-filled with Leucosep™ separation medium	3 - 8 ml blood	50 / 500
—	163289	Leucosep™ Tube, 12 ml, non-sterile	3 - 8 ml blood	50 / 500
1182M26	163290	Leucosep™ Tube, 12 ml, sterile	3 - 8 ml blood	50 / 500
1182M27	227288	Leucosep™ Tube, 50 ml aseptic, pre-filled with Leucosep™ separation medium	15 - 30 ml blood	25 / 250
—	227289	Leucosep™ Tube, 50 ml, non-sterile	15 - 30 ml blood	25 / 250
1182M28	227290	Leucosep™ Tube, 50 ml, sterile	15 - 30 ml blood	25 / 250