



Genaxxon BioScience

Lymphocyte Separation Medium

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Product	Cat#	Package size
Lymphocyte Separation Medium (LSM)	C4754.0100	100mL
Lymphocyte Separation Medium (LSM)	C4754.0500	500mL
Lymphocyte Separation Medium (LSM)	C4754.2500	5 x 500mL
Lymphocyte Separation Medium (LSM)	C4754.5100	5 x 100mL

Product description

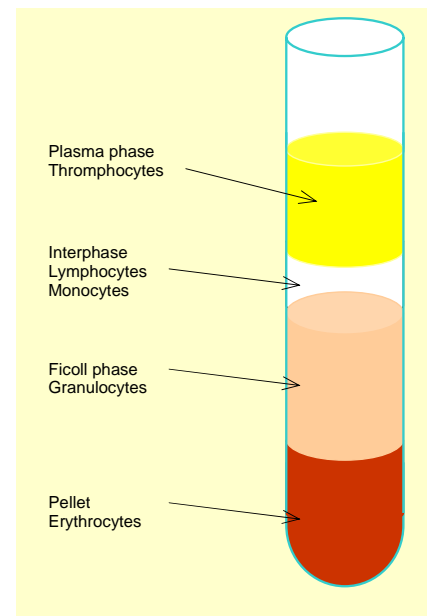
The Genaxxon lymphocyte separation medium is based on diatrizoic acid and ficoll. It is a sterile, iso-osmotic polysucrose and diatrizoate solution with low viscosity, originally designed for the in-vitro isolation of lymphocytes from diluted whole blood. Solutions containing diatrizoate are light sensitive and should not be exposed to direct light.

Application

- Isolation of lymphocytes from blood
- Separation of monocytes and neutrophile cells
- Separation of sub cellular particles

Characteristics

- Density gradient based on Ficoll 400 and Sodium diatrizoic acid
- Optimised separation medium with a density of 1.077g/mL
- Physiological parameters
- High density at low viscosity
- Sterile "ready-to-use" solution for fast and convenient handling



Specifications:

Solution	Water
pH	7.0 – 7.5
Osmolarity	280-340 mOsmol/kg
Endotoxin	< 5 EU/mL
Sterility	tested

Stability:

Shelf life: > 2 years
 Storage: at room temperature

While the light Thrombocytes will stay in the plasma phase, lymphocytes and monocytes will be enriched in the opaque like phase between plasma and ficoll (Interphase). Granulocytes and Erythrocytes are heavier and will be pelleted at the bottom. The interphase can be isolated by using a pipette (sucking the liquid with the pipette). The cell population isolated this way has to be washed twice to purify from residual ficoll.