

FicoLite®-H

Density 1,077 + 0,001g/ml at + 20°C

Separation medium for the isolation of viable mononuclear cells from human peripheral blood.

CatNo

GTF1511KYA

BatchNo: See label

Shelf life: See label

Storage: 4 - 30 °C

KEEP DARK!

Notice: Before use, swirl bottles carefully to homogenize the solution!

Density: 1,077 + 0,001g/ml at + 20°C

Osmolality: 290 ± 10 mOs/kg/H₂O

pH: 6,5 – 7,5

Amount: 100 ml

Steps before centrifugation

Obtaining mononuclear cells from blood with FicoLite®-H:

Prepare the anticoagulant-treated blood sample by diluting it with an equal volume (1+1) of "culture medium" or physiological salt solution (sodium chloride solution) at room temperature according to the table. Fill a sterile centrifuge tube with the room temperature **FicoLite®-H** solution and carefully layer the diluted blood on top. For best results, there should be a clear boundary between the diluted blood and the **FicoLite®-H** solution!

	15 ml Centrifuge tubes	50 ml Centrifuge tubes
Whole blood	4 ml	14 ml
Dilution	4 ml	14 ml
FicoLite®-H	6 ml	20 ml
Centrifuge the tube at 400g and 18-22 °C for 20-30 minutes (or at 800g for 10-15 minutes). Since there may be differences between centrifuges, the optimal separation time should be found out for each centrifuge used for cell separation!		

Steps after centrifugation

Gently aspirate the top layer containing plasma and platelets without agitating the mononuclear cell layer in the middle. Carefully remove the mononuclear cell layer in the middle with a clean pipette, minimizing the amount of **FicoLite®-H** that is removed along with the sample. Removal of excessive **FicoLite®-H** from the bottom layer may result in contamination of your sample with granulocytes.

The **FicoLite®-H** should be removed from the isolated cell suspension by mixing the sample with at least 3 volumes of "culture medium" or with physiological saline and then centrifuging at 100 to 200g for 10 minutes. Repeat this procedure at least once before using the cells for your intended use, making sure to place the cell platelet at the bottom of the centrifuge tube back into liquid each time! The viability of the cells should be > 90%. Mononuclear cell preparation will contain a large number of contaminating thrombocytes unless defibrinated blood is used for separation!

Shelf life: See label! **FicoLite®-H** can be used without loss of activity for at least 3 years after manufacture!

Storage: **FicoLite®-H** is light sensitive and should be stored away from direct, strong light sources between +4°C to +30°C (store in the dark!).

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For Research purposes only. Not for therapeutic or diagnostic use.

Manufacturer

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FIT FOR SCIENCE

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