

Polysucrose-FX (Ficoll 400)

Catalogue #: CC005/CC005.1
Storage: RT
Packing Size: 100/500mL

PRODUCT DESCRIPTION:

Ready-to-use density media containing Ficoll 400, sodium diatrizoate. Used to prepare different density preparations of mononuclear cells from peripheral blood, bone marrow, and umbilical cord blood by density gradient centrifugation.

Product contains:

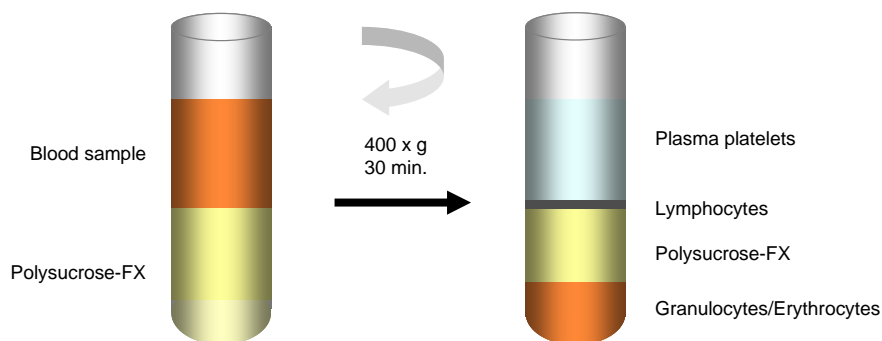
5.7% w/v Ficoll 400

9.0% w/v Diatrizoate Sodium

Density: 1.077g/mL

SEPARATION PROCEDURES:

1. Mix Polysucrose-FX (Ficoll) thoroughly by inverting the bottle several times before use;
2. Add Ficoll to centrifugation tube (see table on the right);
3. Dilute blood 2X with suitable culture medium supplemented with 2% fetal bovine serum (FBS);
4. Layer blood on top of Polysucrose-FX being careful to minimize disturbing of blood with Polysucrose-FX.
5. Centrifuge at room temperature for 30 min at 400 x g.
6. Discard upper plasma layer without disturbing the plasma-polysucrose-FX interface.
7. Transfer mononuclear cell layer at the plasma-polysucrose-FX interface into a new tube without disturbing erythrocyte/granulocyte.
8. Wash mononuclear cells once with medium.



Blood sample (mL)	Medium+2% FBS (mL)	Polysucrose-FX (mL)	Tube size (mL)
1.5	1.5	1.5	5
5	5	5	15
15	15	15	50

REFERENCES:

1. Bøyum, A. Separation of white blood cells. Nature, 1964 204: 793-794.
2. Bøyum, A. Isolation of mononuclear cells and granulocytes from human blood. Scand. J. Clin. Lab. Invest., 1968 21(S 97): 77-89.
3. Ficoll-Paque™ PLUS product instruction/protocol sheet, 71-7167-00, AE, 2005-02, GE Healthcare Ltd.

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