

EN

INSTRUCTIONS FOR USE

HISTOPREP

Separation medium for isolation of lymphocytes

REF 70125

Electronic instructions for use see www.bag-diagnostics.com

Description of product

HISTOPREP is a separation medium for the isolation of lymphocytes with a density of 1.077 g/ml and are made from a highly cross-linked polymer of sucrose. The solution is ready to use. Featuring physiologic conditions, HISTOPREP ensures a high viability of lymphocytes after separation.

Since 1968, the one-step-technique for lymphocyte-isolation introduced by Bøyum has proved successful. The addition of polymer substances to erythrocytes and centrifugation in the density medium, leads to formation of a gradient. The erythrocytes are found on the bottom whereas the lymphocytes remain in the interphase.

Test procedure - Isolation of lymphocytes from heparinized blood

1. In order to increase the cell yield, dilute 4 ml of heparinized blood (50 I.U.) with 4 ml of cell culture medium (e.g. RPMI 1640).
2. Pipet 4 - 5 ml **HISTOPREP** (cell separation medium) into a centrifuge tube (12 ml).
3. Carefully add approx. 6 ml of diluted blood with a Pasteur pipette to the gradient alongside the inner edge of the tube.
4. Centrifuge 15 minutes at 1200 x g and a temperature of 18...22°C. Centrifuge without braking.
5. Take off the lymphocyte ring (interphase) using a Pasteur pipette and pipet it into a new centrifuge tube.
6. For lymphocyte washing, fill it up with cell culture medium, e.g. RPMI 1640, and centrifuge for 10 minutes at 550 x g. Discard the supernatant, resuspend the sediment and fill it up with cell culture medium, e.g. RPMI 1640.
7. Centrifuge for 10 minutes at 230 x g, discard the supernatant, resuspend the bottom sediment and fill it up with cell culture medium, e.g. RPMI 1640.
8. Centrifuge for 10 minutes at 110 x g and discard the supernatant.
9. Resuspend the sediment in cell culture medium, e.g. RPMI 1640, and adjust to a final concentration of 2000 - 3000 lymphocytes per µl (Neubauer count chamber or cell counter).

Caution

Use blood samples within 48 hours after drawing the blood. Do not store the blood samples in the refrigerator but at room temperature. Isolated lymphocytes in cell culture medium can either be stored up to a maximum of 24 hours in e.g. RPMI 1640, or in e.g. TERASAKI Park MEDIUM 3 - 4 days in a refrigerator (2...8°C).

Do not use **HISTOPREP** beyond the indicated expiration date on the label. The Material Safety Data Sheet (MSDS) is available to download at www.bag-diagnostics.com.







Shelf Life: until the expiration date indicated on the label

Storage:

- 2...23°C
- after opening 2...8°C

Immediately after receipt **STORE IN THE DARK! Protect from light!**

Packages: 250 ml

Explanation of symbols used on Labelling			
	Storage temperature / Temperature limitation	DENSITY	Density
	Use by	LOT	Batch code
	Manufacturer	OPEN	After opening
	Consult Instructions for use	REF	Catalogue number
	Keep away from sunlight	SEP MEDIUM	Intended purpose: Separation medium for cells
	Store in the dark		

Instructions for use in other languages see: <http://www.bag-diagnostics.com> or phone +49 (0) 6404-925-125

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