

**EN**

# INSTRUCTIONS FOR USE

## RPMI 1640

With stable Glutamine, HEPES and NaHCO<sub>3</sub>

Cell culture medium for washing of cells (e.g. lymphocytes)

**REF 70126**

Electronic instructions for use see [www.bag-diagnostics.com](http://www.bag-diagnostics.com)

**Description of product**

The intended use of **RPMI 1640** is the washing of cells, e.g. lymphocytes. The solution is filled sterile and is ready to use. It is suitable to maintain physiological conditions for cells, e.g. human lymphocytes.

**Test procedure - Isolation of e.g. lymphocytes from heparinized blood**

1. In order to increase the cell yield, dilute 4 ml of heparinized blood (50 I.U.) with 4 ml **RPMI 1640**.
2. Pipet 4 - 5 ml of cell separation medium, e.g. **HISTOPREP**, 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 RPMI 1640 and centrifuge for 10 minutes at 550 x g. Discard the supernatant, resuspend the sediment and fill it up with RPMI 1640.
7. Centrifuge for 10 minutes at 230 x g, discard the supernatant, resuspend the bottom sediment and fill it up with RPMI 1640.
8. Centrifuge for 10 minutes at 110 x g and discard the supernatant.
9. Resuspend the sediment in 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 RPMI 1640 can be stored up to a maximum of 24 hours in refrigerator (2...8°C).


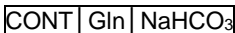






**Warnings and Precautions**

Do not use **RPMI 1640** in case of changing the colour from orange to yellow.  
 Do not use **RPMI 1640** beyond the indicated expiration date on the label.  
 The Material Safety Data Sheet (MSDS) is available to download at [www.bag-diagnostics.com](http://www.bag-diagnostics.com).

**Shelf Life:** until the expiration date indicated on the label; after opening to be used within 1 - 2 weeks

**Storage:** 2...8°C

**Packages:** 250 ml

Explanation of symbols used on Labelling	
	Cell culture medium
	Contains stable glutamine and sodium bicarbonate
	Batch code
	Catalogue number
	Storage temperature / Temperature limitation
	Use by
	Consult Instructions for use
	Manufacturer

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

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