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RBC Lysis Solution 10X

Reference	Size
RBC10X-50ML	50 ml

PRODUCT DESCRIPTION

This product is used as red blood cell (RBC) lysis buffer and is supplied as a 10X solution. It should be diluted to 1X in deionized water before using.
The pH of the 1X solution should fall within the range of pH 7.1-7.4. Adjust the pH if necessary. Warm the 1X solution to room temperature prior to use.
Samples must be prepared as single cell suspension in an appropriate anticoagulant (EDTA is recommended) tube.

Recommended usage: Immunostep's RBC Lysis solution, is intended for the lysis of whole red blood cells. This reagent works properly with samples of 4-11 x 10^3 leukocytes per microliter, usually this is equivalent to 100 µl of normal human or mouse whole blood sample. For samples with high cell number, dilute it with PBS to obtain the correct concentration.

Presentation: liquid

Storage Instruction: store RBC lysis buffer between 2°C and 8°C.

Reagent provided: 50 ml of 10X concentrate will yield a quantity of 1X solution that is sufficient to lyse 250 samples.

Recommendation and warnings: This product contains sodium azide. In acid conditions, it is transformed into hydrazoic acid, a highly toxic compound. Azide compounds must be diluted in running water before being discarded. These conditions are recommended so as to avoid deposits in plumbing, where explosive conditions could develop.
Do not use after expiration date stamped on vial.
Store the prepared 1X Red Blood Cell Lysis Solution at room temperature. Discard unused solution at the end of the day.
For professional use only.
Before acquiring samples, adjust the discriminator (threshold) to minimize debris.

Red Blood Cells Lysis Protocol

1. Prepare 1X working solution diluting Red Blood Cell Lysis Solution (10X) 1:10 with deionized water (dH_2O).
2. For example, dilute 10 mL of RBC Lysis Solution (10X) with 90 mL of dH_2O.
3. For each sample, after the incubation process with the antibodies, add 2 ml of 1X working RBC lysis solution.
4. Mix gently with a vortex mixer
5. Incubate in the dark at room temperature (20-25 °C) for 15 minutes or at 4 °C for 30 minutes.
6. Centrifuge at 540xg for 5 minutes and carefully aspirate the supernatant so as not to touch the cell pellet.
7. Resuspend the cell pellet in an appropriate buffer and proceed to further applications.

If unexpected staining is observed which cannot be explained by variations in laboratory procedures and a problem with the product is suspected, contact our Technical Services. (tech@immunostep.com)

Please, refer to http://immunostep.com/content/31-support for technical information.

WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties. Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

MANUFACTURED BY

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