





RBC Lysis Solution 10X

		
RBCIOX-50ML	50 ml	

1. PRODUCT DESCRIPTION

Whole blood lysis has been shown to be effective in the preparation of peripheral blood mononuclear cells (PBMCs) for leukocyte subset analysis.

2. 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 10³ leukocytes per microliter, usually this is equivalent to 100 µl of normal human or mouse whole blood sample.

Presentation: liquid.

Storage instruction: Shipped at ambient conditions, upon arrival store at 4°C.

3. REAGENTS PROVIDED

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

4. 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.

For professional use only.

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.

5. RED BLOOD CELLS LYSIS PROTOCOL

1. Prepare 1X working solution diluting Red Blood Cell Lysis Solution (10X) 1:10 with deionized water (dH₂O).
For example, dilute 10 mL of RBC Lysis Solution (10X) with 90 mL of dH₂O.
2. For each sample, after the incubation process with the antibodies, add 2 ml of 1X working RBC lysis solution.
3. Mix gently with a vortex mixer.
4. Incubate in the dark at room temperature (20-25 °C) for 15 minutes or at 4 °C for 30 minutes.
5. Centrifuge at 540xg for 5 minutes and carefully aspirate the supernatant so as not to touch the cell pellet.
6. 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 at tech@immunostep.com.

6. HANDLING AND STORAGE INSTRUCTIONS

- Prepare a fresh 1X working solution prior to each use. The prepared solution should be used within 3 to 5 days and stored at room temperature.
- Protect the reagent from light and avoid exposure to temperatures below 4 °C.
- Mix the 10X stock solution thoroughly before each use.

7. 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.

8. ADDITIONAL INFORMATION






For research use only. Not for diagnostic use.

Not for resale. Immunostep will not be responsible of violations that may occur with the use of this product. Any use of this product other than the specified in this document is strictly prohibited.

Unless otherwise indicated by Immunostep by written authorization, this product is intended for research only and is not to be used for any other purpose, including without limitation, for human or animal diagnostic, therapeutic or commercial purposes.

Please, refer to www.immunostep.com technical support for more information.

9. EXPLANATION OF SYMBOLS

	Catalog reference
	Contains sufficient for <n> test
	Regulatory Status
	Research Use Only
	Manufacturer

10. REFERENCES

2. Ashmore LM, Shopp GM, Edwards BS. Lymphocyte subset analysis by flow cytometry. Comparison of three different staining techniques and effects of blood storage. J Immunol Methods. 1989;118:209-215.

11. MANUFACTURED BY:



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