SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Elabscience®

5th Edition, revised in May, 2020

（FOR RESEARCH USE ONLY. DO NOT USE IT IN CLINICAL DIAGNOSIS !）

10× RBC Lysis/Fixation Solution

Catalog No： E-CK-A106

Size： 50 Tests / 100 Tests / 500 Tests

Cat.	Products	50 Tests	100 Tests	500 Tests	Storage
E-CK-A106	10× RBC Lysis/Fixation Solution	10 mL	20 mL	100 mL	2~8°C
Manual			**One Copy**		

This manual must be read attentively and completely before using this product.

If you have any problems, please contact our Technical Service Center for help.

Phone: 240-252-7368(USA) Fax: 240-252-7376(USA)
Email: techsupport@elabscience.com
Website: www.elabscience.com

Please kindly provide us the lot number (on the outside of the box) of the kit for more efficient service.

Introduction

Elabscience® 10×RBC Lysis/Fixation Solution is designed for FCM sample processing of human whole blood. The whole blood is treated with anticoagulant and incubated with fluorescent antibody, the whole blood is added with the RBC Lysis/Fixation Solution to lyse excess red blood cells for FCM.

When added to the whole blood, antibodies bind to specific surface antigen on leukocyte. After treatment with 1×RBC Lysis/Fixation Working solution, the erythrocytes are lysed under mild hypotonic conditions, keeping intact viability of white blood cells.

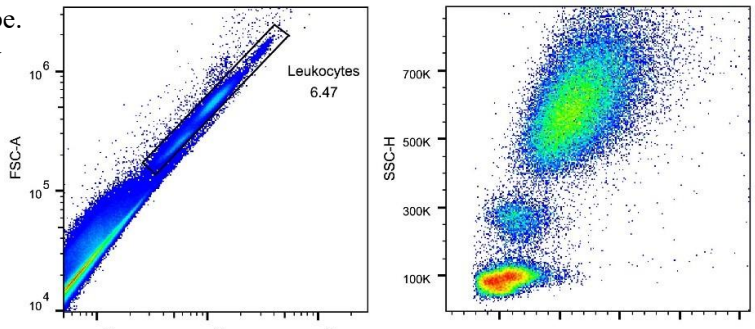
Instructions

10×RBC Lysis/Fixation Solution is concentrated, dilute with ddH_2O to 1×working solution before use.

For example, take 1 mL 10×RBC Lysis/Fixation Solution [E-CK-A106], add to 9 mL ddH_2O. The mixture is 1×RBC Lysis/Fixation Working Solution.

Experimental Procedure

1. Add 100 μL of whole blood to a FCM tube.
2. Add appropriate volume of FCM antibody to the tube (refer to the antibody manual).
3. Vortex gently and incubate at 4℃ in the dark for 30 min.
4. Add 2 mL of 1×RBC Lysis/Fixation Working Solution.
5. Vortex gently and incubate at RT in the dark for 10 min.
6. Centrifuge at 500 g for 5 min. Discard the supernatant.
7. Add 2 mL PBS to resuspend the cells. Centrifuge at 500 g for 5 min. Discard the supernatant.
8. Add 0.5 mL Cell Staining Buffer to resuspend the cells.
9. Analyze the cells immediately with proper machine settings.



Sample was treated by 10× RBC Lysis/Fixation Solution[E-CK-A106]

Add 1× lysis solution to the sample for red blood cell lysis. The supernatant was discarded after centrifugation. Cells were analyzed with flow cytometry. Cell debris and platelets can be excluded by a diagonal gate (Left) in the FSC-H vs FSC-A diagram. Lymphocytes, monocytes and granulocytes are separated clearly (Right).

Storage

Store at 2~8 ℃. Avoid of freezing. Valid for 12 months.

Cautions

1. Use EDTA as the anticoagulant instead of heparin.
2. Red blood cells may show in samples with nucleated red blood cells (such as pediatric samples) for the solution lyzes only enucleated red blood cells.
3. IF the FCM antibodies react with serum immunoglobulins, blood samples should be washed with 1×PBS or physiological saline prior to staining and lysing.
4. This solution contains fixative which may damage fluorescence of tandem dyes such as APC/cyanine7
5. This reagent is for research use only. For your safety and health, please wear the lab coat and disposable gloves before the experiments.