



Membrane Stabilization KIT

Cat.No.: K105

www.dauids-bio.com (Custom Antibodies)

www.dauids-science.de (Lab Material)

- 1 - Introduction

This KIT uses a novel technique to stabilize and sustain cell membrane features. As a result, the membrane is presented optimally for subsequent immunization processes. We propose that you use freshly produced cells with 10^8 - 10^9 cfu. The KIT covers primary cells, permanent cell culture cells, bacteria, and viral particles. All procedures are carried out at room temperature. This KIT contains enough reagents to perform at least two reactions. Please fill out the project-specific information on the reverse of the sheet.

- 2 - Material

Material		
Dilution Buffer	Included in the KIT	2 x 1 ml
Reaction Buffer	Included in the KIT	2 x 100 μ l
Stop Solution	Included in the KIT	2 x 100 μ l
Storage Buffer	Included in the KIT	2 x 500 μ l
PBS	Alternatively Standard Cultivation Medium without FBS	

- 3 - Method

Preparation

- Prepare 10^8 – 10^9 cells. It is important to use fresh cells.
- Centrifugate cells at 350 x g for 6 minutes
for small cells and virus particles we recommend 5 000 x g
- Wash cells with 1x PBS or media without other proteins

Cell Stabilization

- Resuspend cell pellet with 1 ml Dilution Buffer
- Incubate cells at room temperature for 2 minutes
- Add 100 μ l Reaction Solution
- Gently mix cells for 1 minute
- Incubate cells at 60 rpm on a shaker for 60 minutes

Not for diagnostic or therapeutic use. Not for human use. For research purposes only. This product is not a medical device.
Not for use in in vitro diagnostic procedure for clinical diagnosis. Custom tests must be done to determine the ability for a specific use.

- Add 100 µl Stop Solution
- Incubate mixture for 20 minutes
- *Optional: Treat cells in the vial to an UV lamp at 2 – 10 cm from the lamp's surface for 20 minutes*
- Centrifugate cells at 500 x g
- Resuspend cell pellet in 500 µl Storage Buffer
- Please ship the stabilized cells to Davids at 2 – 30 °C

- 4 - Advice & Project Information

Reason	Solution
Storage conditions of stabilized cells	2-8 °C for one month -24 °C for one year
Storage conditions of KIT	Consume within 10 days after opening
Cell preparation: cell pellet	Please utilize $10^8 - 10^9$ cfu Cell Pellet should have a volume of 10 – 100 µl
Cell preparation: wash step	Please utilize an isotonic buffer like 1 x PBS Alternatively utilize a standard cell culture media without additional proteins
Optional treatment of cells with UV lamp	Ensure the distance of vial containing cells and the surface of the lamp is between 2 and 10 cm. Following UV lamps listed below can be used: UV lamps for sterilization or UV lamps for Ethidium bromide gels
Shipment of stabilized cells	Davids Biotechnologie GmbH Custom Antibodies Roentgenstrasse 3 93055 Regensburg Germany Please ship the cells with cool packs at 2 – 8 °C