



10X RBC Lysis Buffer

Cat No.:EX6123

Store: 2-8°C (Long Storage, keep at -20°C)

Quantity:100 ml

Shipment: Ice gel

Description:

RBC lysis Buffer is formulated for optimal red blood cell lysis prior to RNA or DNA extraction from different amounts of the whole human blood stabilized with any common anticoagulant, such as citrate, heparin, or EDTA for any downstream application.

Application:

Used for both DNA and RNA isolation, the buffer is designed for the preferential lysis of red blood cells from human whole blood

Protocol:

- 1) Add 2 ml of **1X*** RBC lysis buffer to each tube containing up to 200 µl of **whole blood**** (10 volumes of 1X RBC lysis buffer to 1 volume of whole blood).
- 2) Gently invert and incubate at room temperature for 10 minutes.
- 3) Centrifuge at 4000 rpm for 5 minutes at 4°C
- 4) Discard the supernatant without disturbing the pellet.
- 5) Add 1 ml of 1X RBC lysis buffer and gently invert, then incubate at room temperature.
- 6) Centrifuge at 4000 rpm for 5 minutes at 4°C.
- 7) Repeat previous steps if red or pink color is observed in or around the pellet.
- 8) Use WBCs pellet for downstream applications.

Prepare 1X RBC Lysis Buffer from 10X RBC Lysis Buffer.

** : It is recommended to use fresh whole blood.

For Research Use Only

SinaClonBioScience

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