



## 10X RBC Lysis Buffer

**Cat No.:** EX6121

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

**Quantity:** 5 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.

### 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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