

# Ammonium Chloride Solution



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TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713

[INFO@STEMCELL.COM](mailto:INFO@STEMCELL.COM) • [TECHSUPPORT@STEMCELL.COM](mailto:TECHSUPPORT@STEMCELL.COM)

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## Reagent for lysis of red blood cells

Catalog # 07800	100 mL
07850	500 mL

## Product Description

Ammonium Chloride Solution is recommended for lysis of red blood cells (RBCs) in preparations of human umbilical cord blood and human or mouse peripheral blood, spleen, or bone marrow cells.

This RBC lysis solution is buffered and optimized for gentle lysis of erythrocytes, with minimal effect on leukocytes. The solution does not contain a fixative agent, therefore leukocytes are viable following RBC lysis.

## Properties

- Storage:** Store at -20°C.
- Shelf Life:** Stable until expiry date (EXP) on label.
- Contains:**
- 0.8% NH<sub>4</sub>Cl
  - 0.1 mM EDTA in water, buffered with KHCO<sub>3</sub> to achieve a final pH of 7.2 - 7.6

## Handling / Directions For Use

1. Thaw Ammonium Chloride Solution overnight at 2 - 8°C.  
NOTE: If not used immediately store at 2 - 8°C for up to 2 weeks.
2. Add appropriate volume of Ammonium Chloride Solution to the sample being processed (see below).
3. Thoroughly mix the cell suspension by inverting the tube. Place on ice for 10 minutes.
4. Wash the cells twice in the appropriate medium prior to use.

### HUMAN BONE MARROW

Add Ammonium Chloride Solution to the sample at a volume:volume ratio of 4:1.

For example, add 4 mL of Ammonium Chloride Solution to 1 mL of sample.

### HUMAN PERIPHERAL BLOOD, CORD BLOOD

Add Ammonium Chloride Solution to the sample at a volume:volume ratio of 9:1.

For example, add 9 mL of Ammonium Chloride Solution to 1 mL of sample.

### MOUSE BONE MARROW, SPLEEN, PERIPHERAL BLOOD

Add Ammonium Chloride Solution to the sample at a volume:volume ratio of 9:1.

For example, add 9 mL of Ammonium Chloride Solution to 1 mL of sample.

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