**PRODUCT DESCRIPTION:**

Ammonium Chloride solution is recommended for lysis of red blood cells (RBC) in preparations of human and 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. This Ammonium Chloride solution does not contain a fixative agent, therefore leukocytes are viable following RBC lysis.

**FORMULATION:**

Components include:

- 0.8% NH₄Cl in water
- 0.1 mM EDTA

Buffered with KHCO₃ to achieve a final pH of 7.2 - 7.6.

**STABILITY/STORAGE:**

Ammonium Chloride solution is stable for at least one year when stored at -20°C, or two weeks when stored at 2-8°C.

Contents are guaranteed sterile if seal is intact.

**DIRECTIONS FOR USE:**

For use with human bone marrow, add buffered Ammonium Chloride solution (NH₄Cl) to the sample at a volume:volume ratio of 4:1. For example, 4 mL NH₄Cl to 1 mL of marrow.

For use with human peripheral blood, or mouse bone marrow, spleen or peripheral blood cells, use at a ratio of 9:1. For example, 9 mL of NH₄Cl to 1 mL of cells.

Vortex the cell suspension and place on ice for 10 minutes to allow the red blood cells to lyse. Wash cells twice in the appropriate medium prior to use.

*See Material Safety Data Sheet for more information.*

**THIS REAGENT IS FOR RESEARCH USE ONLY. IT IS NOT TO BE ADMINISTERED TO HUMANS.**