

# Product Data Sheet

## Red Blood Cell Lysis Buffer (10X)

Catalog #	Source	Reactivity	Applications
CRG1041			FC
<b>Description</b>	Red Blood Cell Lysis Buffer has been designed, formulated, and tested to ensure optimal lysis of RBCs in single cell suspensions with minimal effects on leukocytes. Red Blood Cell Lysis Buffer is supplied as a 10X solution containing ammonium chloride, potassium carbonate, and EDTA, and should be diluted in deionized water prior to use. This buffer can be used for lysis of human, mouse, rat, rabbit and non-human primate samples.		
<b>Form</b>	Red Blood Cell Lysis Buffer is supplied as a 10X solution and should be diluted to 1X in deionized water.		
<b>Directions for Use</b>	<ol style="list-style-type: none"> <li>1. Dilute the 10X Red Blood Cell Lysis Buffer to 1X working concentration with deionized water. Warm the 1X solution to room temperature prior to use.</li> <li>2. Add 2.0 ml of 1X Red Blood Cell Lysis Buffer to each tube containing up to 100 <math>\mu</math>l of whole blood.</li> <li>3. Gently vortex each tube immediately after adding the lysing solution. Incubate at room temperature, protected from light, for 10-15 minutes.</li> <li>4. Centrifuge 1000rpm for 5 minutes. Aspirate supernatant without disturbing pellet.</li> <li>5. Resuspend the pellet in the appropriate buffer, wash 1X.</li> <li>6. Resuspend and proceed with further procedures.</li> </ol>		
<b>Application</b>	The pH of the 1X solution should fall within the range of pH 7.1-7.4. Adjust the pH if necessary. Warm the 1X solution to room temperature prior to use.		
<b>Storage/Stability</b>	Store at 4°C for one year. Do not freeze.		

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