EasySep™ Red Blood Cell Lysis Buffer

Red blood cell lysis buffer

Catalog #

<table>
<thead>
<tr>
<th></th>
<th>20110</th>
<th>20120</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>10 mL</td>
<td>100 mL</td>
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**Product Description**

EasySep™ Red Blood Cell (RBC) Lysis Buffer is for use as directed with EasySep™ or RoboSep™ Whole Blood kits for the lysis of RBCs prior to separation from whole blood.

**Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
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<tbody>
<tr>
<td><strong>Storage</strong></td>
<td>Store at 15 - 25°C.</td>
</tr>
<tr>
<td><strong>Shelf Life</strong></td>
<td>Stable until expiry date (EXP) on label.</td>
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</tbody>
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**Handling / Directions For Use**

**PREPARATION OF 1X RBC LYSIS BUFFER**

EasySep™ RBC Lysis Buffer is supplied as a 10X concentrate. 1X RBC Lysis Buffer should be prepared at least 1 hour before use.

1. Prepare 1X RBC Lysis Buffer by adding 1 part EasySep™ RBC Lysis Buffer to 9 parts distilled or Type 1 water.
2. Mix gently and completely before use.
   
   **NOTE:** If not used immediately, store 1X RBC Lysis Buffer at 2 - 8°C for up to 3 months. Do not freeze.

**LYSIS OF RBCs**

1. Collect whole blood in heparinized blood collection tubes. Add a maximum volume of 4.5 mL whole blood to a 14 mL polystyrene round-bottom tube (e.g. Catalog #38008).
   
   **NOTE:** Blood must be placed in a 14 mL tube to properly fit into “The Big Easy” EasySep™ magnet.

2. Add 1X RBC Lysis Buffer at a ratio of 1 part RBC Lysis Buffer to 1 part whole blood. Mix well.

3. • For EasySep™: Proceed immediately to cell labeling and separation. Add reagents according to the relevant EasySep™ Whole Blood Kit Product Information Sheet.
   
   OR
   • For RoboSep™: Load the carousel according to the onscreen prompts for the selected EasySep™ Whole Blood protocol. Cocktail and magnetic particle additions will be performed automatically.