ACK lysing buffer

Instructions for use

Product use
ACK lysing buffer is used to lyse red blood cells in a preparation that contains white blood cells.

Formula
NH₄Cl 8,024 mg/l
KHCO₃ 1,001 mg/l
EDTA Na₂·2H₂O 3.722 mg/l

Protocol
ACK lysing buffer was designed for the lysing of red blood cells from mouse lymphocyte preps. The buffer also works for human red blood cells. This product is not to be used for lysing whole blood. Please note that this product is not for in vitro diagnostic use.
1. Spin blood, remove supernatant.
2. Add equivalent volume of ACK lysing buffer to the remaining pellet. The volume should be comparable to that of the pellet.
3. Gently resuspend, swirl tube for 30-60 seconds.
4. Fill tube with medium that does not contain serum and centrifuge.
5. Again remove supernatant and retain pellet.
6. This process can be repeated one more time if necessary.
7. Proceed with normal cell protocol.

Specifications

<table>
<thead>
<tr>
<th>Sterility</th>
<th>pH</th>
<th>Osmolality (mOsm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Negative</td>
<td>FIO</td>
<td>FIO</td>
</tr>
</tbody>
</table>

Storage
15°C to 30°C

Product use statement
THESE PRODUCTS ARE FOR RESEARCH USE ONLY. Not approved for human or veterinary use, for application to humans or animals, or for use in clinical or in vitro procedures.

Ordering information

<table>
<thead>
<tr>
<th>Catalog number</th>
<th>Description</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-548E</td>
<td>ACK lysing buffer</td>
<td>100 ml</td>
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</tbody>
</table>

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