STABILITY OF REACTION

The expected reaction patterns for serum grouping are shown below:

<table>
<thead>
<tr>
<th>Blood Type</th>
<th>A</th>
<th>B</th>
<th>O</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>+</td>
<td>+</td>
<td>0</td>
</tr>
<tr>
<td>B</td>
<td>0</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>O</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
</tbody>
</table>

tube technique

- Label 1 test tube for each of the ALBActy® reagent red blood cells to be tested.
- Add 2 drops of serum or plasma to each test tube.
- Mix the contents of the test tube well and centrifuge.*

* Suggested centrifugation: 100g for 10 seconds or a time and speed appropriate for the centrifuge used that will yield the strongest reaction of antibody with antigen-positive red blood cells, yet allows easy reusability of antigen-negative red blood cells.
- After centrifugation, gently shake the tube to dislodge the cell button from the bottom and immediately observe macroscopically for agglutination.

For 5-45 minutes at room temperature may be necessary to detect weakly reactive ABO antibodies.

QUALITY CONTROL

- Quality control of reagents is essential and should be performed on a daily basis and in accordance with local, state, and federal regulations.
- For ABO reagent red blood cells, appropriate ABO antibodies should be used.
- The presence of unexpected antibodies in the serum/plasma of a patient/donor may cause agglutination of these reagent red blood cells.

SPECIFIC PERFORMANCE CHARACTERISTICS

- The reagent red blood cells have been shown to have a negative direct antiglobulin test, indicating that no human IgG or C3 complement components are detectable on the cell surface.
- Prior to release, each lot of ALBActy® Reagent Red Blood Cells for ABO SERUM Grouping are tested by FDA recommended methods to confirm specificity.
- No U.S. standard of potency.

BIBLIOGRAPHY


False positive or false negative results can occur due to contamination of test materials, improper reaction temperature, improper storage of materials, omission of test reagents and certain disease states.

A: and B pooled red blood cells are not recommended for pre-transfusion tests performed in lieu of a major crossmatch, to detect unexpected antibodies in patient samples.

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