ORTHO BioVue

Ortho Clinical Diagnostics markets column agglutination technology (CAT) worldwide. This is due to the many benefits of this technology over standard methods. The ORTHO BioVue system brand has had a proven track record for more than 10 years in over 20 countries.

The ORTHO BioVue system column agglutination technology standardizes blood typing and compatibility testing in a 6-microcolumn cassette preloaded with diluent and/or reagent and glass beads. Test red cells, with or without serum, are placed in the chamber above the column. Upon centrifugation, red cells are forced through the bead column where agglutinated cells are trapped, while unagglutinated red cells travel to the bottom of the column, forming a discrete pellet.

ORTHO BioVue offers many advantages over traditional methods:
- Improved sensitivity
- Standardized procedures
- Objectivity
- Increased productivity and ease of use
- Easy to automate

BioVue cassettes may be used manually, with a workstation consisting of a centrifuge, incubator, precision pipettes and work rack. In addition a full automation platform, the ORTHO AutoVue System is available for larger volume testing.

ORTHO Antisera & Reagent Red Blood Cells Traditional Reagents

Ortho Clinical Diagnostics provides a full line of traditional antisera and reagent red blood cell products to meet your testing needs. Monoclonal antisera and anti-human globulin were pioneered by Ortho nearly 20 years ago with the proven BIOCLONE system of monoclonal antibodies. These reagents provide improved potency, reliability, economy and safety over polyclonal reagents.

Ortho Clinical Diagnostics continues to be the largest manufacturer of reagent red blood cells in the world. Many new products have been launched as of late including the 0.8% Reagent Red Blood Cell line supporting the ORTHO BioVue System. These include:

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>PRODUCT DESCRIPTION</th>
<th>PACKAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>719202</td>
<td>0.8% AFFIRMAGEN (A1,B)</td>
<td>2 x 10 mL</td>
</tr>
<tr>
<td>719602</td>
<td>0.8% SELECTOGEN</td>
<td>2 x 10 mL</td>
</tr>
<tr>
<td>719102</td>
<td>0.8% SURGISCREEN</td>
<td>3 x 10 mL</td>
</tr>
<tr>
<td>719111</td>
<td>0.8% BIOVUE Screen (Ficin)</td>
<td>6 x 10 mL</td>
</tr>
<tr>
<td>719502</td>
<td>0.8% RESOLVE Panel A</td>
<td>11 x 10 mL</td>
</tr>
<tr>
<td>719522</td>
<td>0.8% RESOLVE Panel B</td>
<td>11 x 10 mL</td>
</tr>
<tr>
<td>719402</td>
<td>0.8% RESOLVE Panel C</td>
<td>22 x 3 mL</td>
</tr>
<tr>
<td>718820</td>
<td>0.8% Red Cell Diluent</td>
<td>3 x 10 mL</td>
</tr>
<tr>
<td>718825</td>
<td>0.8% Red Cell Diluent</td>
<td>1 x 50 mL</td>
</tr>
</tbody>
</table>

0.8% Reagent Red Blood Cells are prediluted at manufacturing with a specially formulated resuspension solution to an optimal concentration for use without further modification in the ORTHO BioVue System. This solution delivers a low ionic strength environment to enhance antibody reactivity and eliminates the need for a separate reagent.

0.8% Red Cell Diluent resuspending solution is a low ionic diluent used to prepare 0.8% suspensions for autocontrol and crossmatch testing.
ORTHO Scan System

Bringing the benefits of automation to manual labs

OrthoScan is an affordable, low-volume solution for manual labs that offers the main benefits of automation into their routine testing.

Designed to work with ORTHO BioVue cassettes OrthoScan provides enhanced productivity and consistently accurate results.

ORTHO CQi

Now you’ll know your results are accurate.

Introducing ORTHO CQI7: Quality control made simple.

ORTHO CQI7’s guaranteed reference blood controls the quality of the entire blood grouping process AB0-D, Rh typing and Ab screening.

It validates the system performance of your blood bank analyzer, and verifies that your material technique and reagent combinations are producing the right results.

ORTHO AutoVue® Innova System

The ORTHO AutoVue® Innova is a fully automated system that will enhance the ability to achieve accurate results and will enhance the operational efficiency in your laboratory. The AutoVue Innova has been qualified for use with the entire menu of BioVue cassettes and associated red blood cells, which will meet all of your immunohematology testing needs. With almost 1,000 current users, the AutoVue is currently the most common platform for blood transfusion testing worldwide. By using this instrument you can standardize your complete menu of tests on a single and proven platform.