NEW PRODUCTS
Antibody Depleted Human Serum and Complement

Pel-Freez Biologicals continues to meet the needs of vaccine efficacy testing by providing human serum and complement with or without antibody depletion.

Antibody Depleted Human Complement (ADHC)

Human complement source depleted of problematic pre-existing IgG and IgM antibodies for use in:
- Serum bactericidal assays
- Opsonophagocytic assays
- C5b-9-mediated viral lysis

Retained Bio-Functionality
- High complement activity
- High residual C1q protein

Antibody Depleted Human Serum (ADHS)

Useful for clinical bio-functional assays as:
- IgG/IgM negative immunoglobulin control sera

Trusted as a diluent for:
- Extending the volume of precious high-titer patient sera samples
- Dilutional linearity studies
- Making quality control serum samples for assay acceptance
- Proficiency serum panels for assay qualification
- Monitoring long-term assay performance
- Serum panel dilutions for qualifying critical reagents

Serum is acquired from healthy donors in an FDA licensed facility who have completed informed consent prior to donation. Each donor and/or unit has been tested using FDA licensed test kits according to FDA guidelines and found to be negative for all required viral markers.

Antibody Depletion Advantage

- Improved Lot-to-Lot Consistency
- Reduced Screening Time
- Milliliter to Liter + Quantities Available

Our Proprietary Depletion Process Was Developed With And Is Trusted By Many of The World's Largest Vaccine Producers And CROS!
PRODUCT LIST
WE NOW OFFER A VARIETY OF HUMAN SERUM-BASED PRODUCTS FOR USE IN VACCINE EFFICACY STUDIES

HUMAN SERUM PRODUCT LIST

<table>
<thead>
<tr>
<th>Product</th>
<th>Product Code</th>
<th>Pack Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Serum Sample, Single Donor</td>
<td>34015-1</td>
<td>1 mL</td>
<td>$3</td>
</tr>
<tr>
<td>Human Serum, Single Donor</td>
<td>34011-0</td>
<td>Full unit</td>
<td>$2/mL</td>
</tr>
<tr>
<td>Human Serum, Single Donor</td>
<td>34019-1</td>
<td>1 mL</td>
<td>$4.50</td>
</tr>
<tr>
<td>IgG Depleted Human Serum, Pooled Sera</td>
<td>34021-1</td>
<td>1 mL</td>
<td>$12</td>
</tr>
<tr>
<td>IgG/IgM Depleted Human Serum, Pooled Sera</td>
<td>34014-1</td>
<td>1 mL</td>
<td>$16</td>
</tr>
<tr>
<td>IgG/IgM Depleted Human Serum, Pooled Sera, Heat-Inactivated</td>
<td>34020-1</td>
<td>1 mL</td>
<td>$20</td>
</tr>
</tbody>
</table>

- Additional pack sizes are possible including 1, 2, 3, 5, and 10 mL to 100+ mL.
- Please inquire for pricing and availability.
- Full units of human sera are approximately 200 mL in total volume.

Regardless of the requirement for complement activity, all human sera, with or without antibody depletion, are off-the-clot and collected using methods that maintain optimal complement activity.

HUMAN COMPLEMENT PRODUCT LIST

<table>
<thead>
<tr>
<th>Product</th>
<th>Product Code</th>
<th>Pack Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Complement Sample, Single Donor</td>
<td>34017-1</td>
<td>1 mL</td>
<td>$7.50</td>
</tr>
<tr>
<td>Human Complement, Single Donor</td>
<td>34018-0</td>
<td>Full unit</td>
<td>$4/mL</td>
</tr>
<tr>
<td>Human Complement, Single Donor</td>
<td>34018-1</td>
<td>1 mL</td>
<td>$6</td>
</tr>
<tr>
<td>Human Complement, Pooled Sera</td>
<td>34008-1</td>
<td>1 mL</td>
<td>$6.50</td>
</tr>
<tr>
<td>IgG Depleted Human Complement, Pooled Sera</td>
<td>34009-1</td>
<td>1 mL</td>
<td>$27.50</td>
</tr>
<tr>
<td>IgG/IgM Depleted Human Complement, Pooled Sera</td>
<td>34010-1</td>
<td>1 mL</td>
<td>$35</td>
</tr>
</tbody>
</table>

- Discounted pricing is available for large quantity orders.
- Single donor sera/complement is also available with or without antibody depletion.
- Custom products available! Please send us your requests for any products you need not listed here!

NEW IN 2021
Larger lot sizes for antibody depleted serum products:
- Serum: 3 to 5 L per Lot
- Complement: 1 to 2.5 L per Lot

Technical Questions: techsupport@pel-freez.com
Ordering: biosales@pel-freez.com

All prices are subject to change without notice.