**HUMAN & ANIMAL BLOOD PRODUCTS**

Human:
All human blood components supplied by Golden West BioSolutions, LLC can be provided as an individual unit or pool, available in milliliter to bulk quantities. Each donor unit is obtained from FDA registered U.S. facilities and are negative or non-reactive for specific viral markers. Patient samples can be provided as banked or prospective collections with volumes >1ml and can be utilized in normal, disease, drugs, pituitary, steroids, thyroids, cardiac, tumor markers, and fertility applications.

Animal:
All animal blood components can be provided per customer request, from milliliter to liter quantities. Each animal is verified to be healthy prior to collection.

Fractions:
Gamma and albumins are available in gram and kilogram quantities.

**DISEASE STATES**

Disease state plasma and serum are obtained from FDA registered U.S. facilities and are negative or non-reactive for specific viral markers.

**OTHER SERVICES**

All products can be purchased as individual units, pools, defibrinated, delipidized, and/or charcoal-stripped according to customer specifications.

**BLOOD PRODUCTS**

<table>
<thead>
<tr>
<th>SPECIES</th>
<th>WHOLE BLOOD*</th>
<th>PLASMA*</th>
<th>SERUM</th>
<th>GAMMA</th>
<th>ALBUMIN</th>
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<tbody>
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<td>Human</td>
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<td>Bovine</td>
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<td>Canine</td>
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<td>Fetal Calf</td>
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<td>Guinea Pig</td>
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<td>Gottingen Mini Pig</td>
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<td>Sheep</td>
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</table>

*ANTI-COAGULANTS AVAILABLE:

- K2 EDTA
- K3 EDTA
- Sodium EDTA
- ACD
- CPDA-1
- Sodium Citrate
- Potassium Oxalate/Sodium Fluoride

**DISEASE STATES**

- Anti-Cardiolipin
- Lyme Disease
- Anti-Centrone
- Rheumatoid Factor (RF)
- Anti-JO-1
- Syphilis (RPR)
- Anti-P ANCA
- HAMA
- Anti-C ANCA
- Cytomegalovirus (CMV)
- Anti-SCL-70
- Dengue
- Anti-SSb
- Epstein-Barr Antibody (EBV)
- Anti-Tg/TPO
- H. Pylori
- Total IgE
- Hepatitis A (HAV)
- Myeloma
- Hepatitis B (HBV)
- Herpes Simplex Virus I (HSV I)
- Herpes Simplex Virus II (HSV II)
- HIV 1
- HIV 2
- Measles
- Rubella
- Toxoplasmosis (or Toxoplasma)
- Varicella Zoster (VZV)