



GemCell™ U.S. Origin Human Serum AB

Catalog # 100-512

PRODUCT DESCRIPTION:

GemCell™ human serum AB is collected from healthy male donors of the AB serotype at FDA-licensed facilities in the United States. This material is defibrinated from source plasma AB. All donor units are tested for viral markers and found to be non-reactive.

- 0.1 µm sterile-filtered

Precautions: Non Hazardous Ingredients: Blood Plasma (Human)

The product contains no substances that are considered hazardous to health at their given concentration. Although the human plasma used to manufacture this product has been tested and shown to be negative for infectious agents, no test is 100% accurate. All materials derived from human plasma should be handled as if capable of transmitting infection.

INSTRUCTIONS FOR USE

Receipt and Storage:

Ships on dry ice. Store frozen at -20 to -10°C.

Thawing Instructions:

When preparing human serum for use, it should be allowed to thaw gradually, either at room temperature or in a refrigerator at a temperature of 2-8°C overnight to minimize thermodynamic stress to the material.

Appearance:

Straw-like or amber color. It could be slightly cloudy and may contain precipitates due to freezing and/or thawing; this occurrence does not impact culture performance.

Stability:

If stored frozen (-20 to -10°C), product expiration is 5 years from manufacture.

Preparation and Use:

We strongly recommend using the entire 100 mL bottle when first thawed. If it is not possible for your intended use, we recommend that you minimize the number of freeze/thaw cycles the product will undergo by aliquoting the serum into containers of a single-use volume.

| Biological Testing | |
|--------------------|--------------|
| Endotoxin | <10 EU/mL |
| Hemoglobin | <20.0 mg/dL |
| Sterility | |
| Bacteria | No Growth |
| Fungi | No Growth |
| Mycoplasma | Not Detected |
| Viral Testing | |

| | |
|-------------------------|---|
| HBsAg | Non-Reactive |
| Anti-HCV | Non-Reactive |
| Anti-HIV-1/HIV-2 | Non-Reactive |
| Syphilis | Negative |
| HBV-NAT | Not Detected |
| HIV-NAT | Not Detected |
| HCV-NAT | Not Detected |
| Physical Testing | |
| Osmolality | 260-350 mOsm/kg |
| pH | Test and Report |
| Biochemistry | |
| Albumin | Test and Report |
| ALT (SGPT) | Test and Report |
| AST (SGOT) | Test and Report |
| Bilirubin, Total | Test and Report |
| BUN | Test and Report |
| Calcium | Test and Report |
| Chloride | Test and Report |
| Cholesterol | Test and Report |
| Creatinine | Test and Report |
| Glucose | Test and Report |
| Phosphorus | Test and Report |
| Potassium | Test and Report |
| Protein, Total | Test and Report |
| Sodium | Test and Report |
| Triglycerides | Test and Report |
| Uric Acid | Test and Report |
| Storage | Store frozen at $\leq -10^{\circ}\text{C}$ |
| Form | Liquid |
| Expiration | Five years from the date of manufacture |
| Handling | Biohazardous; contains human source material. Handle as though capable of transmitting infectious agents. |

For Cell Culture, further Manufacturing and Research use only. Not for direct Therapeutic use.