



SUSTAIN HUMAN SERUM PRODUCT HIGHLIGHTS

- Manufactured under cGMP guidelines in dedicated facility
- Full virus testing by FDA approved methods
 - Full donor traceability
 - 0.1µm sterile filtered
- US & EU origins available
- Ships on dry ice, store frozen at -20 to -10°C

Why Use Our Serum?

Phoenix Scientific's human serum products are manufactured under cGMP and can be used for basic research, pre-clinical through final production. We also offer the only human serum defibrinated using human thrombin (not bovine thrombin) which is important in the cell therapy applications like CAR-T immunotherapy and clinical / therapeutic use.

Uses Of Human AB Serum

Human AB Serum lacks antibodies against the A and B blood type antigens, which prevents reaction with cultured cells and is recommended for use in biomedical applications. Human AB serum is regularly used for tissue engineering, transplantation of T-cells, cell therapy applications and cell line testing for PBMCs, bone marrow, CD9, CD3 and CD33. In addition, human AB serum is the main growth media used in CAR-T cell therapy applications included in many current clinical trials.

Collection and Production of Human AB Serum

We have a multi-step process for the collection of human AB serum that is IRB approved. Each human AB serum donor is evaluated, briefed on the collection process and given consent forms to sign prior to donation of human AB serum. Human AB Plasma donors also receive an on-site physical by a staff physician. After the plasma is collected, it is converted into serum. The units are pooled, bottled, and cell-culture tested before being tested for viral markers.

Sustain Human Serum AB - Catalog HS-100

Our HS-100 Human Serum AB is collected from donors meeting the health requirements established by 21CFR 640, subpart G via plasmapheresis. These individual units are converted to serum and then pooled, filtered, bottled and cell culture tested for mycoplasma, endotoxin, and USP sterility. Each individual unit is tested and found negative for all required viral markers via FDA-approved methods as well as HTLV I/II and West Nile Virus.

Sustain Human Serum AB - Catalog HS-101

Our HS-101 Human Serum AB is manufactured as above however is defibrinated using human thrombin if regulatory issues are a concern.

Sustain Human Serum AB - Off The Clot (OTC) - Catalog HS-200

Our HS-200 Off the Clot AB serum is collected from healthy male donors in the United States at FDA licensed facilities. It has been allowed to coagulate naturally and contains no anticoagulants or preservatives.

Sustain Human Serum Mixed - Catalog HS-300

Our HS-300 Mixed Sustain Serum is plasma derived, collected from healthy mixed gender and blood types, and defibrinated using human thrombin.

Our Commitment to YOU

Phoenix Scientific commits to partnering with our Customers to achieve maximum quality, increased efficiencies and innovative products. Our Dedication to QUALITY...Phoenix Scientific is dedicated to meeting or exceeding our customers needs and expectations with the products and services we provide.

Manufactured under cGMP for cell culture, further manufacturing and research use.