



Human AB Serum

*Scale the Quantity and Quality of Your Cell
and Gene Therapy Research*

Scalable Cell Culture Supplementation

BioIVT offers Human AB Serum in both Research and GMP grades for your R&D, pre-clinical and manufacturing needs.

Features:

- **Sizing** - 100mL standard, bag-fill custom options available
- **Processing** - Heat inactivation, Gamma irradiation

Our Products

Plasma-Derived Human AB Serum, RUO

Plasma is collected from healthy male donors of the AB serotype and is then defibrinated using bovine thrombin.

Plasma-Derived Human AB Serum, GMP

Same as RUO, but manufactured following GMP guidelines and with additional viral testing.

Off-the-Clot Human AB Serum, RUO

Whole blood is collected from healthy male donors of the AB serotype and is then allowed to clot naturally.

Off-the-Clot Human AB Serum, GMP

Same as RUO, but manufactured following GMP guidelines and with additional viral testing.

Which Product is Right for You?

	Plasma-Derived AB Serum	Off-the-Clot AB Serum
Source Material	Plasma	Whole Blood
Donors per Batch	Few	Many
Production Lead Time	Approx. 1-2 weeks	Approx. 3-4 weeks
Chemical Additives	Limited Presence	None
Biological Relevance	Moderate	High
Lot Size	100L	50L



Order BioIVT's Human Serum today!



Solutions for Every Cell Culture Workflow

Product	Plasma-Derived, RUO	Off-the-Clot, RUO	Plasma-Derived, GMP	Off-the-Clot, GMP
Application	Research and Development		Further Manufacturing Use	
Product Code Bottles	HUMANABSRMP-1	HUMANABSRMC-1	HUMANABSRMPG-1	HUMANABSRMCG-1
Product Code Bags	HUMANABSRMP-2	HUMANABSRMC-2	HUMANABSRMPG-2	HUMANABSRMCG-2
Volume	20/50/100mL	20/50/100mL	20/50/100mL	20/50/100mL
Thrombin	Bovine	None	Bovine	None
Heat Inactivation	Available Upon Request		Available Upon Request	
Gamma Irradiation	Available Upon Request		Available Upon Request	

Specifications

	Plasma-Derived, RUO	Off-the-Clot, RUO	Plasma-Derived, GMP	Off-the-Clot, GMP
Physical Appearance	Clear, straw yellow		Clear, straw yellow	
pH	7.0-9.0		7.0-9.0	
Osmolality	260-320 mOsm/kg		260-320 mOsm/kg	
Hemoglobin	<25 mg/dl		<25 mg/dl	
Sterility	Sterile		Sterile	
Mycoplasma	Negative		Negative	
Endotoxin	<10 EU/mL		<10 EU/mL	
Glucose	60-140 mg/dl		60-140 mg/dl	
Sodium	110-160 mEq/L		110-160 mEq/L	
Potassium	3.0-5.5 mEq/L		3.0-5.5 mEq/L	
Chloride	100-130 mEq/L		100-130 mEq/L	
Calcium	6.5-11.5 mg/dl		6.5-11.5 mg/dl	
Phosphorus	2.2-7.0 mg/dl		2.2-7.0 mg/dl	
Iron	Result		Result	
Creatine	Result		Result	
Total Protein	4.8-8.3 gm/dl		4.8-8.3 gm/dl	
Albumin	3.0-5.5 gm/dl		3.0-5.5 gm/dl	
Total Bilirubin	0.0-1.5 mg/dl		0.0-1.5 mg/dl	
Cholesterol	80-200 mg/dl		80-200 mg/dl	
Triglyceride	30-160 mg/dl		30-160 mg/dl	
ALT	Result		Result	
AST	Result		Result	
BUN	Result		Result	
GGT	Result		Result	
Uric Acid	Result		Result	

Viral Testing - Donor Level

	Plasma-Derived, RUO	Off-the-Clot, RUO	Plasma-Derived, GMP	Off-the-Clot, GMP
HIV 1 RNA	●	●	●	●
HIV 2 RNA	●	●	●	●
Anti HIV 1/2	●	●	●	●
HBV NAT	●	●	●	●
HBV DNA	●	●	●	●
Anti HBsAg	●	●	●	●
HCV RNA	●	●	●	●
Anti HCV	●	●	●	●
WNV RNA		●	●	●
CHAGAS		●	●	●
Syphilis	●	●	●	●
Zika	Available Upon Request		Available Upon Request	

Viral Testing - Finished Pool Level

	Plasma-Derived, RUO	Off-the-Clot, RUO	Plasma-Derived, GMP	Off-the-Clot, GMP
HTLV I/II	●	●	●	●
Anti-Hbc			●	
HAV-RNA			●	
Parvo B19 DNA			●	
HIV p24			●	●
Hepatitis E			●	●
CJD (TSE/BSE)	●		9 CFR 113.53	
vCJD (TSE/BSE)	●		9 CFR 113.53	
Plasmodium Species Antigen Detection Assays	●	●	●	●

**Contact us if you'd like to receive a copy of the
GMP Human AB Serum Quality guide.**



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