



Human AB Serum

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



Human AB Serum

BIOIVT

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

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.

Find the Right Product 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!**

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#24-0166



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	

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	

Contact us to receive a copy of the GMP Human AB Serum Quality guide.