
	Document ID:	TDS-HU-EU-015	Version:	006
	Date of Issue:	10-JAN-2025	Approved by:	Dr. Iman Kamranfar
	Review Date:	10-JAN-2027	Signature:	
	Title:	TECHNICAL DATASHEET		

Human Male AB Serum

Filtration, Treatment	0.2µm sterile filtered
Origin	EU Eligible
Product Code	S-HU-EU-015
Shelf Life	5 years from DOM
Storage Temperature	<-15°C
Shipping Temperature	dry ice



QC Specifications

Physical and Chemical Analysis	Method	Specifications	Units
Identity	Internally Validated	Human	n/a
Appearance	Visual	Clear yellow-amber	n/a
pH at RT	Electronic pH Meter	7.0 - 9.0	n/a
Osmolality	Osmometer	260 - 350	mOsm/kg
Endotoxin	LAL Kinetic	Test and Report	EU/ml
Hemoglobin	Colorimetric	< 30	mg/dl
Sterility			
Aerobic Bacteria	Internally Validated	Not detected	n/a
Anaerobic Bacteria	Internally Validated	Not detected	n/a
Fungi (yeast & Mold)	Internally Validated	Not detected	n/a
Protein Profile			
Total Protein	IDEXX Catalyst One	4.0 – 9.0	g/dl
Albumin	IDEXX Catalyst One	Test and Report	g/dl
Globulin	IDEXX Catalyst One	Test and Report	g/dl
Viral Markers			
Anti-HIV I/II		Negative / Non-reactive	n/a
HBsAg		Negative / Non-reactive	n/a
Anti-HCV		Negative / Non-reactive	n/a
HIV-1 RNA		Negative / Non-reactive	n/a
HBV-DNA		Negative / Non-reactive	n/a
HCV RNA		Negative / Non-reactive	n/a
HTLV I/II		Negative / Non-reactive	n/a
WNV		Negative / Non-reactive	n/a
Syphilis		Negative / Non-reactive	n/a
Anti-HBc		Negative / Non-reactive	n/a

Informed donor consent is existing. The donations were collected from unpaid volunteers. The donors were alive and gave their agreements for the blood donation as well as the scientific use of the blood collected. All the units are anonymized.

The samples were gained, processed and verified in a way that is ethically and legally compliant for the purposes of diagnostic research and development, production and quality assurance.

These statements will appear on all Certificates of Analysis issued.

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RECOMMENDED USE:

Storage

To effectively preserve the integrity of animal serum, it should be stored frozen and protected from light. The recommended storage temperature is <-15°C.

Multiple thaw/freeze cycles should be avoided, as they will accelerate the degradation of serum nutrients and can encourage the formation of insoluble precipitates. For this reason, serum should never be stored in “frost-free” freezers. These types of freezers periodically warm themselves to avoid internal ice deposits and are detrimental to the stability of frozen serum products.

Suggested Thawing Procedure

1. Remove the serum bottles from the freezer and allow them to adjust to room temperature for approximately 10 minutes.
2. Place each container in a 30 to 37 °C water bath or incubator. Excessive temperatures will degrade heat labile nutrients. If using a water bath, prevent the bottle caps from being submerged.
3. Gently agitate the bottles every 10 – 15 minutes until the serum is completely thawed.

Efficient and Effective Usage

After thawing, use the serum promptly. Liquid serum may be stored refrigerated (2 to 8 °C) up to four weeks. To avoid thaw/freeze cycles or long periods of refrigeration, it is recommended that any unused serum be immediately dispensed into small, useful aliquots and refrozen for future use.

Product use: This product is not intended for human or animal consumption or therapeutic use.