

Activated Human Cord Blood Platelet-Depleted Plasma – aPDP

Catalog#	UBP-002.1	30mL
	UBP-002.2	50mL

Product Description

Activated Human Cord Blood Platelet-Depleted Plasma (aPDP) is human umbilical cord blood plasma that has been filtered with a micropore filter (220 nm pore size) to remove platelets and cells/debris >220 nm in diameter and activated by adding CaCl₂ to precipitate citrate phosphate dextrose adenine (CPDA-1). The aPDP is isolated by centrifugation from healthy umbilical cord blood collected with CPDA-1 as an anticoagulant. It does not contain any nucleated cells. After micropore filtration and precipitation of CPDA-1, the aPDP is frozen at -20°C or lower temperatures within 48 hours after cord blood collection to achieve maximum quality and bioactivity of exosomes, growth factors, and cytokines in the plasma.

Sample Collection

The UCB is collected using Institutional Review Board (IRB) approved protocols and with donor consent to use the UCB for research and therapy. No cryopreservant is used with the plasma.

Donor Status: Normal and healthy donor based on maternal/donor history and blood tests
Format: The PRP is frozen at -20°C or lower.
Anticoagulant: Citrate Phosphate Dextrose Adenine (CPDA-1)

Direction of Use:

Storage: Store at -20°C or colder when not in use
Biosafety: Level 2*
Thawing: Thaw in 37°C water bath shortly before use

*Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

Precautions:

Donor Screening: Hepatitis B, Hepatitis C and HIV.



Address: Unit 206, 16W,
Hong Kong Science Park,
Shatin, NT, Hong Kong
Phone: +852 3997-1726
Email: enquiry@monotx.com
Web: www.monotx.com

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This product contains human tissue or other biological material and MUST be handled at Biosafety Level 2 or higher. All biological products should be treated as potentially infectious or contaminated material, even if infectious disease screening reports are negative. Follow universal precautions and wear appropriate personal protective equipment.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While MonoTx uses reasonable efforts to include accurate and up-to-date information on this product sheet, MonoTx makes no warranties or representations as to its accuracy.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. MonoTx is not liable for any damages or injuries arising from receipt and/or use of this product.