

## Activated Human Cord Blood Platelet-Depleted Plasma – aPDP

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

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### 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 CaCl<sub>2</sub> 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 consent. 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](mailto:enquiry@monotx.com)  
**Web:** [www.monotx.com](http://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.

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