

Lyophilized Human Cord Blood Platelet Lysate - PLT

Catalog#	UBP-003.1	1 x 10 ⁸ platelet count
	UBP-003.2	1 x 10 ⁹ platelet count

Product Description

Platelets are a natural reservoir of growth factors for several cell lineages. Their activation at sites of tissue injury promotes cell proliferation and tissue repair, including revascularization. PLT obtained from platelet-enriched- plasma (PRP) contains additional factors, such as fibrinogen and other extracellular matrix precursors, which further promote cell adhesion and tissue repair. Umbilical Cord Blood (UCB) have high concentration of platelets. Cord Blood Platelet is widely acknowledged that it contains higher amount of growth factors and cytokines. A study reported that UCB-plasma contains higher VEGF, G-CSF, EGF and FGF-basic growth factors compare to adult peripheral blood plasma¹. The increased level of EGF and FGF-basic in UCB promotes stem cell renewal and inhibit cell senescence. Thus, our PLT can improve the potency in promoting cell growth as cell supplement.

¹Ehrhart *et al.*, J Cell Mol Med. 2018 Dec;22(12):6157-6166.

Direction of Use:

- Format:** Lyophilized powder
Storage: Store at -20°C or colder when not in use
Biosafety: Level 2*
Procedure: Samples should be reconstituted by deionized water and processed into a sterile container by membrane filtration with a 0.2-µm filter using a positive pressure system.

*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.

Quality Control Specifications

Total Protein Concentration	Refer to CoA
Albumin Concentration	Refer to CoA
Fibrinogen Concentration	Refer to CoA

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Precautions:

Donor Screening: Hepatitis B, Hepatitis C and HIV.

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.