

FACILITATE CLINICAL TRANSLATION

with GMP-Compliant Human Platelet Lysate

Human Platelet Lysate (hPL) products are growth factor-rich cell culture supplements for the in vitro expansion of both primary cells and stem cells, including mesenchymal stem/stromal cells (MSCs), endothelial cells (ECs), T cells, and more. Derived from multiple healthy donor human platelet units pooled during manufacturing, these media additives ensure minimized lot-to-lot variability, helping you achieve high cell performance and reproducible results.

Using hPL in your cell cultures, instead of fetal bovine serum (FBS), reduces the risk of infections and immunogenicity from xenogeneic proteins or viruses—critical for the development of new approaches in tissue engineering and cell therapy. Additionally, cells expanded in cultures supplemented with growth factor-rich hPL expand faster compared to FBS-expanded cells. With minimized lot-to-lot variability and higher regulatory compliance, you can easily integrate GMP-compliant hPL into your cell therapy and regenerative medicine protocols to facilitate clinical translation.

A key factor for efficient, high-quality cell-based research is working with a reliable supplier who understands and supports your specific requirements. STEMCELL Technologies accommodates changing customer needs with personalized service, customizable products, flexible services, and help with regulatory compliance. Discover our range of ethically sourced hPL products to streamline your research.

Product Information

Human Platelet Lysate - Product Listing

Description	Quantity	Catalog #
Human Platelet Lysate, Fibrinogen-Depleted, GMP-Compliant ¹	50 mL	200-0322
	100 mL	200-0323
	500 mL	200-0324
Human Platelet Lysate, Fibrinogen-Depleted, XF ^{1,2}	50 mL	200-0360
	100 mL	200-0361
	500 mL	200-0362
Human Platelet Lysate, Fibrinogen-Depleted ³	50 mL	06963
	100 mL	06964
	500 mL	06965
Human Platelet Lysate ⁴	50 mL	06960
	100 mL	06961
	500 mL	06962

- 1 Heparin is not added during the manufacturing process and is not required for use of this product.
- 2 XF - xeno-free
- 3 Pharmaceutical-grade heparin derived from porcine intestine is used in the manufacturing process. The concentration of heparin in the final product is ≤ 2 IU/mL.
- 4 Addition of an anticoagulant (e.g. Heparin Solution; Catalog #07980) is required to inhibit coagulation.

Why Use GMP-Compliant Human Platelet Lysate from STEMCELL?

STANDARDIZED. Minimize lot-to-lot variability with hPL pooled from multiple donors.

EFFICIENT. Remove the requirement for heparin addition with a fibrinogen-depleted formulation.

SAFE. Reduce the risk of infections and immunogenicity from xenogeneic proteins or viruses.

COMPLIANT. Easily integrate into cell expansion models that require a higher level of compliance for clinical translation.



Frozen Human Platelet Lysate, Fibrinogen-Depleted, GMP-Compliant

GMP-compliant, fibrinogen-depleted, hPL (Catalog # 200-0323) is a growth factor-rich cell culture supplement derived from healthy donor human platelets.



RESOURCE

Frequently Asked Questions on Primary Cells
www.stemcell.com/primarycellsfaqs

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