

Human Platelets

The use of Human Platelets is of increasing interest since concentrates manufactured from human platelets are rich in growth factors for *in vitro* culture of various cell types. Human Platelets offer a source of growth factors that are xeno-free and thereby suitable for the generation of therapeutic products. This material provides a reliable and effective cell culture supplement for cell therapy techniques.

Source of raw material

Human platelets supplied by Life Science Production adhere to the guidelines and the operating Quality System in place at the blood collection facility where the donor material is collected. All facilities used in the collection of human donor material are registered by the relevant authority (EMA) in the place of collection. These sites are also GMP registered facilities.

All donors are screened and donor material is collected and produced under the same controls as for material used for therapeutic transfusion. Each donor unit is screened for the detection of various adventitious agents including HIV, HCV, HBV, CMV, Syphilis.

Donor Consent

All blood products are collected from donors who have provided written consent and which confirms that material donated is able to be transferred to a third part and that the donation may be used for Quality control measures or for Research and Development purposes.

The human platelet units supplied by Life Science Production are intended for *in-vitro* use only. This product is sold for research and further manufacturing purposes only. It is not intended for use in humans or animals. The user assumes all responsibility for the use and disposal of this product in accordance with all current regulations.

Collection Procedure

All platelet units are stored at a registered facility.

The storage records include date of collection, date of receipt at the storage facility, donor information (ID number, volume, Blood group, Rhesus factor, expiry date), origin of the material (collection facility number), inspection data, temperature monitoring data during all shipping and storage steps.

All units are maintained at -45°C under fully controlled and fully monitored conditions with data loggers employed to substantiate storage conditions.

Product Description

Product Code	Product Description	Pack size
HPU-001N	Human Platelet Units	200 mL
HPU-001L	Human Platelet Units	1000 mL

Associated Products

Product Code	Product Description	Pack Size
Human Platelet Lysate Solution (these products require the addition of heparin)		
PLS-001K	Human Platelet Lysate - Research Grade	25 mL
PLS-001B	Human Platelet Lysate - Research Grade	100 mL
PLS-002B-GMP	Human Platelet Lysate - GMP Grade	100 mL
PLS-001A	Human Platelet Lysate - Research Grade	500 mL
PLS-002A-GMP	Human Platelet Lysate - GMP Grade	500 mL
PLA-001M	Heparin - Porcine Heparin (5.000 U/mL)	0.5 mL
PLA-XF-001M	Platelet Supplement-XF – Xeno-free Heparin (12.5mg/mL)	0.5 mL
Human Platelet Lysate FD		
PLS-003E	Human Platelet Lysate -FD Fibrinogen-depleted - Research Grade	10 mL
PLS-004E	Human Platelet Lysate -FD Fibrinogen-depleted - GMP Grade	10 mL
PLS-003C	Human Platelet Lysate -FD Fibrinogen-depleted - Research Grade	50 mL
PLS-004C	Human Platelet Lysate -FD Fibrinogen-depleted - GMP Grade	50 mL
PLS-003B	Human Platelet Lysate -FD Fibrinogen-depleted - Research Grade	100 mL
PLS-004B	Human Platelet Lysate -FD Fibrinogen-depleted - GMP Grade	100 mL
PLS-003A	Human Platelet Lysate -FD Fibrinogen-depleted - Research Grade	500 mL
PLS-004A	Human Platelet Lysate -FD Fibrinogen-depleted - GMP Grade	500 mL
Human Platelet Lysate XF		
HPL-XF-001E	Human Platelet Lysate -XF Fibrinogen-depleted, Xeno-free - Research Grade	10 mL
HPL-XF-002E	Human Platelet Lysate -XF Fibrinogen-depleted, Xeno-free - GMP Grade	10 mL
HPL-XF-001C	Human Platelet Lysate -XF Fibrinogen-depleted, Xeno-free - Research Grade	50 mL
HPL-XF-002C	Human Platelet Lysate -XF Fibrinogen-depleted, Xeno-free - GMP Grade	50 mL
HPL-XF-001B	Human Platelet Lysate -XF Fibrinogen-depleted, Xeno-free - Research Grade	100 mL
HPL-XF-002B	Human Platelet Lysate -XF Fibrinogen-depleted, Xeno-free - GMP Grade	100 mL
HPL-XF-001A	Human Platelet Lysate -XF Fibrinogen-depleted, Xeno-free - Research Grade	500 mL
HPL-XF-002A	Human Platelet Lysate -XF Fibrinogen-depleted, Xeno-free - GMP Grade	500 mL
Platelet Matrix (Heparin Accelerator needed to induce gelation)		
PLM-001G	Platelet Matrix - 3D Cell Culture System - Research Grade	1 mL
PLM-001F	Platelet Matrix - 3D Cell Culture System - Research Grade	5 mL
PLM-002K	Heparin Accelerator (10 mg/mL)	0.25 mL

Supplements		
HPL-001E	FBS Replacement, Xeno-free - Research Grade	10 mL
HPL-001B	FBS Replacement, Xeno-free - Research Grade	100 mL
HPL-001A	FBS Replacement, Xeno-free - Research Grade	500 mL

Support

Life Science Production is a division of Life Science Group Ltd.

Life Science Production is [ISIA Traceability Certified](#)

Life Science Group Ltd is an ISO 9001:2015 Certified company

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