

Doc. No.	Rev	Effective Date
PI32	3	03OCT2024

Human Platelet Lysate (hPL) GOLD – Clinical Grade

Product Description

Manufactured by the Belgian Red Cross Flanders, this Clinical Grade hPL is a growth factor-rich cell culture supplement derived from human platelet concentrates. Each batch of hPL contains material from either 25 or 150 donors, depending upon the requirement.

The product is fibrinogen depleted and does not contain heparin. This is a xeno-free product.

This hPL was manufactured under a quality management system based on ISO-13485. The principles, recommendations and requirements of ISO-20399 and of the European Pharmacopoeia (Chapter regarding raw materials of biological origin for the production of cell-based and gene therapy medicinal products) have been applied.

Product Presentation

Product Code	Product Description	Size
HPL-601B-150	Human Platelet Lysate (hPL) GOLD Clinical Grade (150 donors)	100 mL
HPL-601B-25	Human Platelet Lysate (hPL) GOLD Clinical Grade (25 donors)	100 mL
HPL-601J-150	Human Platelet Lysate (hPL) GOLD Clinical Grade (150 donors)	30 mL
HPL-601J-25	Human Platelet Lysate (hPL) GOLD Clinical Grade (25 donors)	30 mL

Instructions for use

Storage/Stability

This product should be stored at $\leq -70^{\circ}\text{C}$ upon receipt. Thaw at room temperature or in a water bath $\leq 37^{\circ}\text{C}$. After thawing, aliquot at will and store aliquots at -20°C or colder. It is recommended to store the products at -15°C to -30°C for no more than 8 weeks. For long term storage, temperatures $\leq -70^{\circ}\text{C}$ are recommended.

Multiple freeze/thaw cycles may lead to increased turbidity and lower efficiency.

The expiry date of the product is indicated on the product label.

Preparation

For use in cell culture media, we recommend an optimal dilution of 10% (vol/vol) in basal medium. hPL Gold is validated for use with DMEM/F-12, RPMI, Ham's F-12 and IMDM. Combination of hPL

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Gold with DMEM, MEM or similar are likely to cause precipitation and issues in your cell culture. If the use of DMEM or MEM is required, hPL Platinum might be a better fit.
Filtration of complete media <0.4µm is recommended.

Precautions and safety

- Not intended for direct use in animals or humans.
- Apply GLP according to biosafety regulations.

Because these products contain human derived materials, they may carry a risk of transmitting infectious agents.

The hPL is derived from human platelet concentrates prepared from donations collected from consenting, non-remunerated voluntary donors of the Belgian Red Cross Flanders. With each donation, the donor is approved by a physician (based on a medical questionnaire) and tested for antibodies against the human immunodeficiency viruses (anti-HIV-1 and HIV-2), for antibodies against the hepatitis C virus (anti-HCV), for hepatitis B virus surface antigen (HBsAg) and for antibodies against Treponema pallidum. HIV, HBV and HCV are also detected by NAT testing. The platelet concentrates are prepared according to Belgian legislation, including pathogen inactivation.

Prions are not eliminated by pathogen inactivation and cannot be detected in donors by routine lab tests. Protection against transmission of prions by transfusion relies on careful donor selection.

Although these donor screening, testing and pathogen inactivation procedures are in place to minimise the risk of transmitting infections, they cannot completely eliminate this risk. Therefore the products should be handled and treated as potentially infectious.

Support

To learn more, contact us by telephone at +44 1234 889180 or email at sales@lifesciencegroup.co.uk

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