

Human Platelet Lysate, Fibrinogen-Depleted

Growth factor-rich supplement for the expansion of cells in vitro



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Catalog # 06963	50 mL
06964	100 mL
06965	500 mL

Product Description

Human platelet lysate is a growth factor-rich cell culture supplement derived from healthy donor human platelets at U.S. Food and Drug Administration (FDA)-licensed blood centers. Multiple donor units are pooled to minimize lot-to-lot variability during manufacturing. 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.

Properties

Storage: Store at -20°C .

Shelf Life: Stable for 4.5 years from date of manufacture (MFG) on label.

Donors have been tested and found to be negative for HBsAg, hepatitis B core antibody (anti-HBc), HIV antibody (anti-HIV-1/2), hepatitis C antibody (anti-HCV), HTLV-1/2 antibody (anti-HTLV-1/2), Trypanosoma cruzi antibody (anti-T. cruzi), HIV1, HCV, HBV, WNV nucleic acid testing, and syphilis microhemagglutination assay. As testing cannot completely guarantee that the donor was virus-free, this product should be treated as potentially infectious and only used following appropriate handling precautions such as those described in biological safety level 2.

Handling / Directions For Use

1. Thaw Human Platelet Lysate in a 37°C water bath. Mix well.

NOTE: Product may appear cloudy or flocculent upon thawing. This will not affect performance. Filtration of Human Platelet Lysate is not recommended.

NOTE: If not used immediately, aliquot and store at -20°C . Do not exceed the shelf life of the supplement. Once aliquots are thawed, do not re-freeze.

2. Add Human Platelet Lysate to cell culture medium to a final concentration of 2 - 10%. Optimal concentration must be determined for each cell type, cell line, and/or application.

NOTE: If desired, filter sterilization of complete medium may be performed using a $0.2 - 0.22\ \mu\text{m}$ low protein binding polyethersulfone (PES) filter unit (e.g. Fisher 09-741-04 [$0.2\ \mu\text{m}$, 250 mL]; Fisher SCGP00525 [$0.22\ \mu\text{m}$, 50 mL]). The effect of filter sterilization on performance must be determined for each cell type, cell line, and/or application.

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