

Human Platelet Lysate



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

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Catalog # 06960	50 mL
06961	100 mL
06962	500 mL

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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 during manufacturing to minimize lot-to-lot variability. Addition of an anticoagulant (e.g. Heparin Solution; Catalog #07980) is required to inhibit coagulation.

Properties

Storage: Store at -20°C.

Shelf Life: Stable for 7 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.

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 100% Human Platelet Lysate is not recommended as it will clog the filter.

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. Supplement Human Platelet Lysate with an anticoagulant. Addition of heparin to a final concentration of 2 IU/mL is recommended; optimal heparin concentration may need to be determined for each cell type, cell line, and/or application.
3. 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 containing up to 10% Human Platelet Lysate may be performed using a 0.2 - 0.22 µm low protein binding polyethersulfone (PES) filter unit (e.g. Fisher 09-741-04 [0.2 µm, 250 mL]; Fisher SCGP00525 [0.22 µm, 50 mL]). It is recommended that this filtration step be performed just prior to use of complete medium. It is recommended that this filtration step be performed just prior to use of complete medium. The effect of filter sterilization on performance must be determined for each cell type, cell line, and/or application.

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