

# 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 and Health Canada-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 until expiry date (EXP) 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 expiry date as indicated on the label. Once aliquots are thawed, do not re-freeze.

2. Supplement Human Platelet Lysate with an anticoagulant. Addition of heparin (Catalog #07980) 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 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]). The effect of filter sterilization on performance must be determined for each cell type, cell line, and/or application.

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