

CERTIFICATE OF ANALYSIS

LOT #: HPL090613B

LOT COMPOSITION:

- ▶ **Number of donor(s) in lot** 22
- ▶ **Gender of donor(s):** M/F
- ▶ **Type** O
- ▶ **Anticoagulant** ACD

CATALOG #

SER-HPL

EXPIRATION DATE:

August 2015

DESCRIPTION

Human Platelet Lysate is derived from platelet rich plasma of pooled adult donors. All donors are fully consented from consented adult donors. The lysate is then 0.2um sterile filtered. The product is shipped frozen on dry ice. Store at -20°C or greater. (-80°C is preferred for long-term storage)

Using HPL:

Thaw at 4°C overnight or in a 37°C water bath. After thawing, we recommend you aliquot and store at -80C. Add the included Heparin to the media at a final concentration of 2U/mL or 0.5mL per 500mL. Heparin prevents coagulation in certain calcium containing medium. We have found that 5% (v/v) of HPL added to basal medium is a good starting point for most cultures. Complete medium maybe stored at 4°C for up to 4 weeks.

Particulate Formation: Pooling of human platelet lysate from multiple donors is routinely performed to provide a more consistent product. Upon thawing, the product may be visually cloudy or have floating debris. This is normal and happens commonly from aggregation due to alloimmune reaction, even when donors are the same blood type. It is most optimal to reduce this possibility by minimizing multiple freeze/thaws or extended storage at 4°C.

Some particulate formation can be reversed with a brief incubation at 37°C. Filtration is not necessary and HPL performance is not reduced by the appearance of particulates.

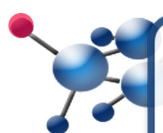
QUALITY CONTROL

Each lot is tested via PCR and found non-reactive to viral DNA from HIV-1, HIV-2, HTLV I, HTLV II, hepatitis B, hepatitis C and syphilis. However, no known test can offer complete assurance that the viruses that cause HIV-1, HIV-2, HTLV I, HTLV II, hepatitis B, hepatitis C and syphilis are not present. Since we cannot test all the pathogens, please treat the culture as a potential infectious reagent at Biosafety Level 2 as recommended by the CDC/NIH Manual.

These results have been verified.

SIGNATURE ON FILE

08/22/2013



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