

HUMAN PLATELET LYSATE (HPL) SOLUTION

CT-HPL-RG, CT-HPL-CG



Introducing Human Platelet Lysate Solution

BBI in partnership with PL BioScience, offer human platelet lysate (hPL) Solution, a human derived growth supplement that contains abundant growth factors and cytokines used for cell growth and proliferation, hPL Solution is supplied as:

- + Research grade – 25ml and 100ml pack sizes
- + Clinical grade – 100ml cryo-bags
- + Sterile filtered solution, frozen

Recommended storage is -20°C and below. HPL Solution has an 18 month validated shelf life when stored at -20°C.

Why choose Human Platelet Lysate Solution for cell culture?

Human platelet lysate is a human derived growth supplement, which can be used as a replacement for traditional fetal bovine serum (FBS) supplemented cell culture medium. EMA guidelines recommend that alternatives to bovine material should be used for culturing media, wherever possible, for any therapeutic product containing cultured cells. The benefits of replacing FBS with hPL:

- + Allows for expansion and potential clinical grade production of functional mesenchymal stem cells (MSC's).
- + Helps eliminate the risk of xenogeneic immune reactions and transmission of bovine prion and viral pathogens.
- + Contains abundant growth factors and cytokines derived from human platelets; Shown to stimulate cellular proliferation and maintain phenotype and differentiation potential of human stem cells.

Key Benefits

+ HUMAN DERIVED PRODUCT

Provides an alternative to fetal bovine serum (FBS).

+ CONSISTENT SUPPLY

Each batch of hPL Solution is produced from large pools of donor units and manufactured to minimise batch to batch variability.

+ TRACEABILITY & SAFETY

- Material sourced from healthy consenting donors from EMA certified German blood banks.
- Individual donors and complete batches are fully tested for pathogens.

+ IMPROVED CELL PERFORMANCE

- Improves the proliferation of Mesenchymal Stem Cells (MSCs) compared to FBS without loss of phenotype.
- Can be used for the expansion of multiple cell types, including fibroblasts and adipocytes.
- Enhances genetic stability in stem cell cultures.

+ SUITABLE FOR GMP CELL CULTURE

Manufactured in an ISO 9001 certified facility in accordance with GMP guidelines. For non-therapeutic use.

+ RESEARCH GRADE

Manufactured to meet the needs of basic research and development.

+ CLINICAL GRADE

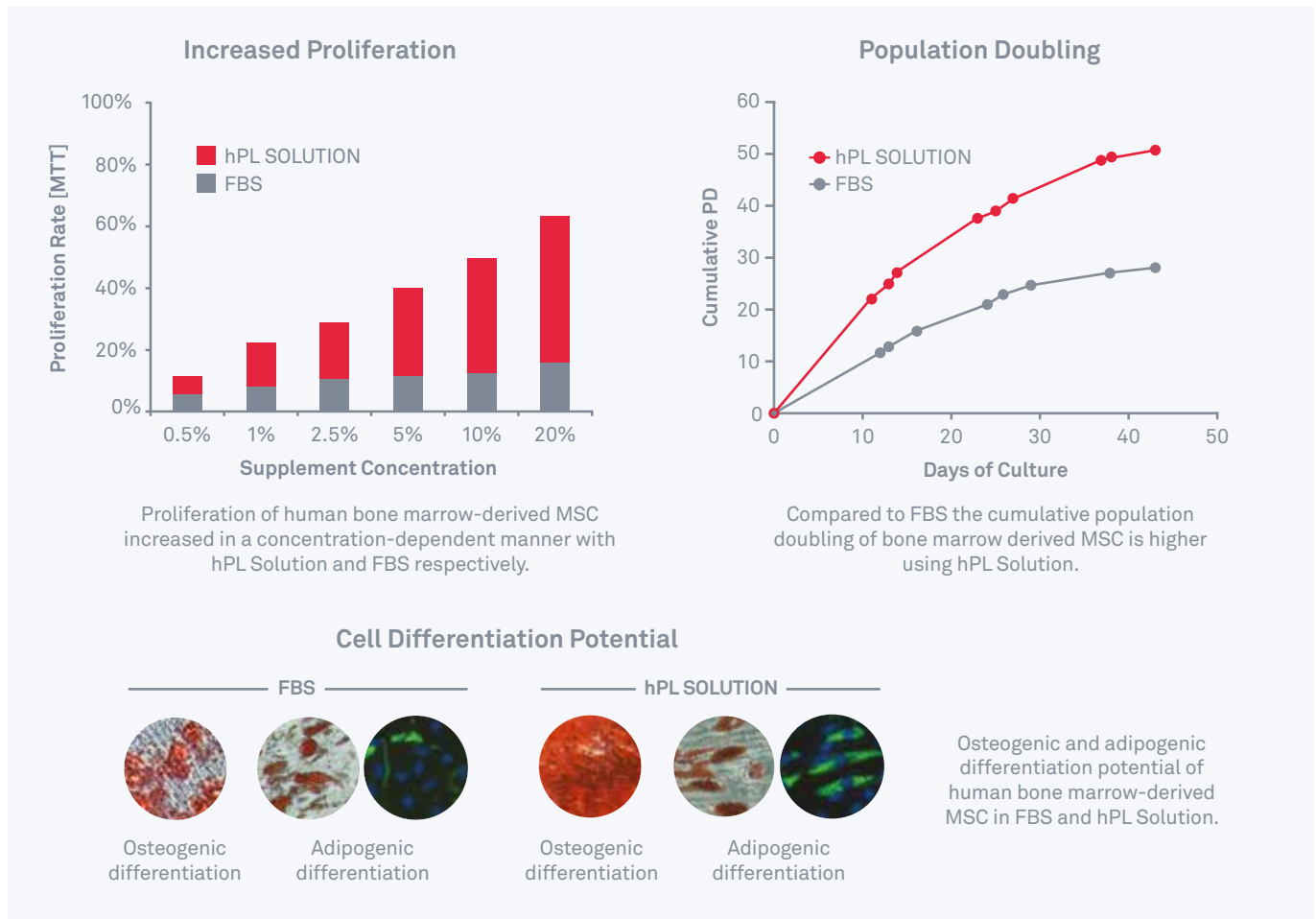
Clinical grade material is manufactured in a GMP compliant quality management system using high quality raw materials. Process is performed in a closed system using sterile conditions.

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HPL IS RECOMMENDED FOR:

- + Human Mesenchymal Stromal Cells from Bone Marrow (hMSC-BM)
- + Human Mesenchymal Stromal Cells from Umbilical Cord (hMSC-UC)
- + Human Mesenchymal Stromal Cells from Adipose Tissue (hMSC-AT)
- + Human Dermal Fibroblasts (HDF)

PERFORMANCE



ORDERING DETAILS – USE THE FOLLOWING CODES WHEN ORDERING

Product	Code	Description
Human platelet lysate (hPL) Solution	CT-HPL-RG/0025	Research Grade, hPL Solution, 25ml
Human platelet lysate (hPL) Solution	CT-HPL-RG/0100	Research Grade, hPL Solution, 100ml
Human platelet lysate (hPL) Solution	CT-HPL-CG/0100	Clinical Grade, hPL Solution, 100ml

Related Products

Code	Description
CT-HPLM-RG/0005	Research Grade, hPL Matrix, 5ml

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