

HUMAN PLATELET LYSATE (HPL) MATRIX

CT-HPLM-RG



Introducing Human Platelet Lysate Matrix

BBI in partnership with PL BioScience, offer human platelet lysate (hPL) Matrix. Our matrix protein provides a human derived scaffold which supports cell growth and adhesion. It is ideal for coating onto 2D plates and for use in 3D cell culture applications.

HPL Matrix is supplied as:

- + Research grade
- + 5ml pack size
- + Sterile filtered lyophilised, frozen

Recommended storage is 2–8°C and below. HPL Matrix has an 18 month validated shelf life when stored at 2–8 °C.

Why choose Human Platelet Lysate Matrix for cell culture?

Stem cell expansion in standardised and animal-free conditions represents a major challenge for the production of cell therapy products. As well as providing an alternative to animal derived scaffold proteins, hPL Matrix has some additional benefits to enhance cell growth and proliferation.

- + Provides a suitable 3D matrix for cells culture that consists of the same components as the over-layered culture medium.
- + Offers a uniform distribution of growth factors throughout the cell culture system.
- + Cells can grow in several layers at the interface layer which minimise contact inhibition with any artificial biomaterials.

Key Benefits

+ HUMAN DERIVED PRODUCT

Provides an alternative to animal derived scaffold proteins.

+ GEL, VISCOSITY

Ideal to create 3D scaffolds for culturing or coating plates to increase cell adhesion.

+ STANDARDISE CELL EXPANSION PROTOCOL

Uses an innovative two-phase cell culture system for a more standardised cell expansion protocol. Compatible for use with hPL Solution culture medium.

+ EASIER CELL HARVESTING

Viscous consistency enables non-enzymatic passaging for convenient harvesting and reseeded.

+ IMPROVES CELL PERFORMANCE

- Improves the proliferation of Mesenchymal Stem Cells (MSCs) compared to FBS without loss of phenotype.
- Can be used with multiple cell types.
- Enhances genetic stability in stem cell cultures.

+ CONSISTENT SUPPLY

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

+ TRACEABILITY & SAFETY

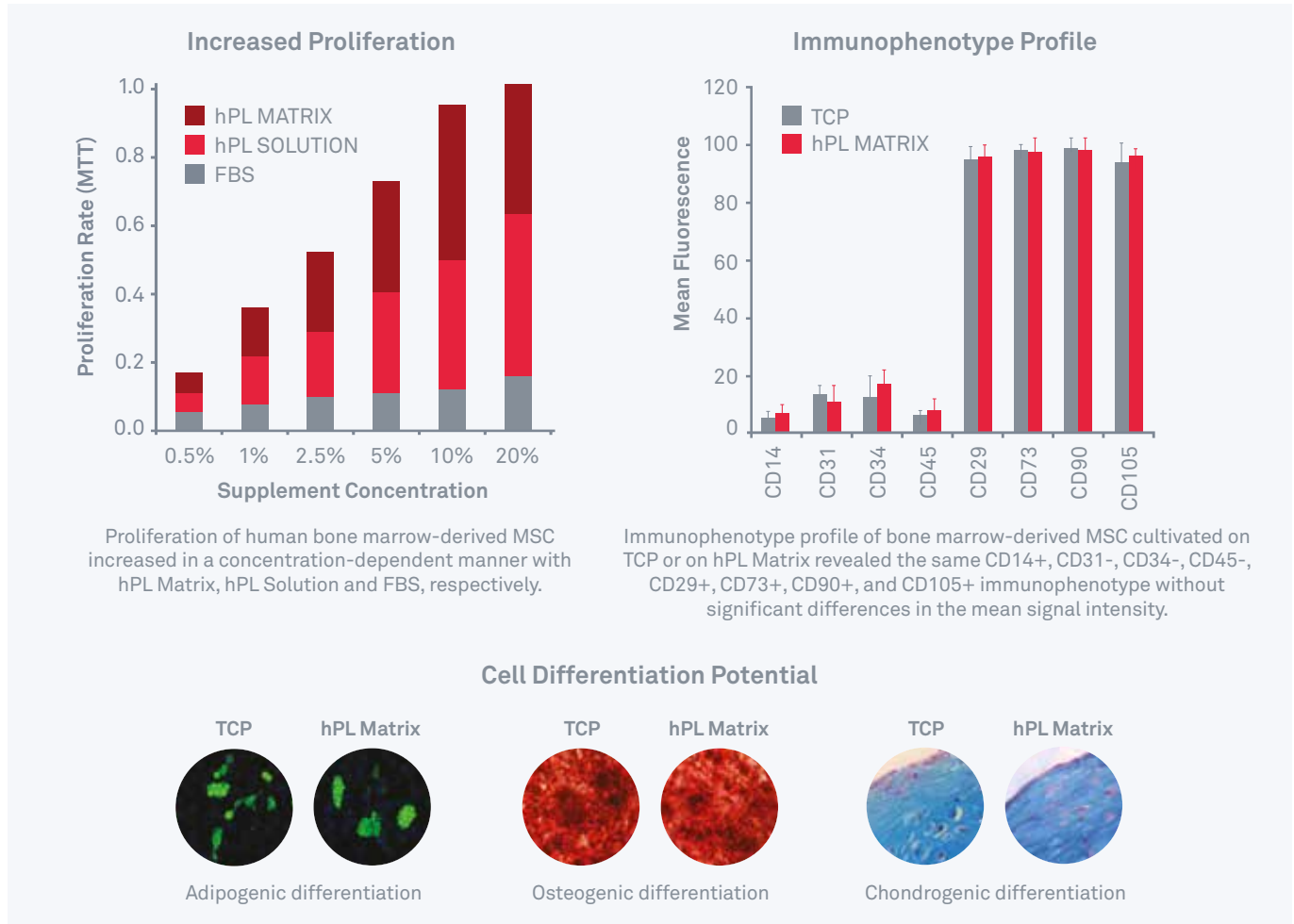
- Material sourced from healthy consenting donors from EMA certified German blood banks.
- Individual donors and complete batches are fully tested for pathogens.

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

Related Products

Code	Description
CT-HPL-RG/0025	Research Grade, hPL Solution, 25ml
CT-HPL-RG/0100	Research Grade, hPL Solution, 100ml
CT-HPL-CG/0100	Clinical Grade, hPL Solution, 100ml

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