

Human Mesenchymal Stem Cells

Product Description

These Human-derived Stem Cells are highly characterised and functionally validated human Mesenchymal Stem Cells (MSCs) isolated out of adipose tissue or bone marrow from healthy donors. The cells are cryopreserved in passage 1, cell number counts $> 5 \times 10^5$ cells/ vial. The seeding density is $2-4 \times 10^3$ cells/cm²

The Stem MSCs are characterised by several surface markers: (present) CD73, CD90, CD105, (absent) CD31, CD34, CD45 by Flow Cytometry and the ability to differentiate into adipocytes, chondrocytes and osteocytes.

Intended use

These cells are supplied for research use only, not for clinical, diagnostic or therapeutic procedures. These cells are compatible with our growth factor-rich human Platelet Lysates which are suited to the expansion of Mesenchymal Stem Cells derived from different tissues.

Product Information

| Product Code | Description |
|--------------|---|
| MSC-002G | Human Adipose Tissue-derived Mesenchymal Stem Cells - 5×10^5 |
| MSC-003G | Human Bone Marrow-derived Mesenchymal Stem Cells - 5×10^5 |

Storage

These cells are shipped on dry ice and must be cryopreserved at -80°C immediately upon arrival.

Sterility

These human-derived Mesenchymal Stem Cells are negative for HIV-1, HBV, HCV, bacteria, yeast, fungi and mycoplasma. These cells are also available as a xeno-free product isolated under GMP conditions.

Recommendation

It is recommended that our human platelet lysate products be used for the cultivation of these cells. Our product Cellsplit, a xeno-free cell dissociation reagent may also be used. This is a product of vegetable origin and the active reagent is a substitute for Trypsin.

Safety Information

Follow the handling instructions outlined in the Safety Data Sheets (SDS). Wear appropriate protective eyewear, clothing and gloves. This Human origin material has been tested as non-reactive at donor level

for anti-HIV 1 & 2, anti-HCV and HBsAg. This product must be handled in accordance with established bio-safety practices.

Despite all testing, proper safety precautions for potentially infectious agents must be taken. All human blood products should be handled in accordance with currently acceptable bio-safety practices and guidelines for the prevention of blood borne viral infections.

Intended Use

This product is manufactured from outdated human platelet units concentrates and is intended for *in vitro* experimental and research use only. These products are sold for research and manufacturing purposes only. They are not intended for use in humans or animals.

Support

Life Science Production is a division of Life Science Group Ltd.

Life Science Production is [ISIA Traceability Certified](#)

Life Science Group Ltd is an ISO 9001:2015 Certified company

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