

Datenblatt

Mesenpan

Xeno- and Serum-free Medium

Product	Description	Catalogue-No.	Size
Mesenpan	Medium for the culture and expansion of human mesenchymal stem cells Kit 500ml (Basalmedium + Growth Supplement)	P08-50400K	500 ml

Product description

Mesenpan Special Medium for Human Mesenchymal Stem Cells without FBS.

Mesenpan was developed especially for proliferation of hMSC without cell differentiation. It allows a long time culture from hMSC while preserving the differentiation potential in different cell types (multi-lineage potential). To reach a differentiation of the expanded hMSC into different lines, the suitable differentiation factors and protocols should be used.

Content

Mesenpan medium consists of:

- Mesenpan Basal Medium
- Mesenpan Growth Supplement.

Storage conditions and stability:

- Mesenpan Basal Medium (P08-50400B) store in the dark at 2-8° C
- Mesenpan Growth Supplement (P08-5040S1) store in the dark at -20° C

Mesenpan basal medium and Mesenpan Growth supplement are guaranteed stable for 12 months when stored properly. Mesenpan complete medium (Basal Medium + Growth supplement) is stable for at least 3 months when stored in the dark at 2 – 8 °C

Composition

Mesenpan contains salts, amino acids, trace elements, hormones and growth factors in an optimised formulation.

Suitability

For culture and expansion of human mesenchymal stem cells in their undifferentiated state with uncompromised multi lineage potential.

Please note: For research use only, not for therapeutic or diagnostic use.

Special Advantages

Mesenpan is a serum free complete medium which can be supplemented with 2 % FBS or hPL if necessary. Because of the defined composition of the Medium and the Growth supplement stable experimental conditions with a high reproducibility of results are achieved without tedious batch to batch testing. The addition of suitable reagents after successful expansion allows a differentiation of the MSC in the desired cell type (e.g., bone, cartilage, muscular tissue).

Preparation of Mesenpan complete medium

Mesenpan Basal medium is complemented with Mesenpan Growth supplement to complete medium. Mesenpan Growth supplement must be thawed before use and be given immediately to the basal medium. If necessary Mesenpan can supplemented with 2% pretested FBS or 2% human platelet lysate (hPL). (Not in the Testkit contained).

Mesenpan complete medium is stable for at least 3 months when stored in the dark at 2 – 8 °C.

Technical support

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email (info@pan-biotech.com) or phone +49-8543-601630.

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