Datasheet

Neuropan-2 Supplement (100x)

Serum-free Supplement for the Cultivation of Neurons

Product	Description	Catalogue-No.	Size
Neuropan-2 Supplement (100x)	**Supplement used in combination with Neuropan Basal medium to make a complete serum-free medium for neurons**	**P07-11005 P07-11010 P07-11050 P07-11100**	**5 ml 10 ml 50 ml 100 ml**

Product description
Neuropan-2 is a supplement formulated to meet special requirements of neuronal cells. When supplemented with Neuropan basal medium it allows for long-term maintenance of the normal phenotype and growth of neuronal cells, and maintain pure populations of neuronal cells without the need for an astrocyte feeder.

Storage conditions
Storage: -20°C
Stability: 2 years from date of production
Filling: 5 ml, 10 ml, 50 ml, 100 ml, other sizes on request

Both the Neuropan basal medium and supplement are guaranteed stable until the expiry date stated on the label. Neuropan complete medium (basal medium + supplement) is stable for 6 weeks at 2-8°C. Do not freeze the complete medium.

Composition
Neuropan-2 supplement contains insulin, transferrin, albumin and hormones.

Suitability
Neuropan-2 supplement meets the special cell culture requirements of pre-natal and embryonic neuronal cells from hippocampus, cortex and other regions of the brain. It allows for both long and short term maintenance of homogeneous populations of neuronal cells without the need of an astrocyte feeder layer.
FOR RESEARCH USE ONLY!
Not approved for human or animal diagnostic or therapeutic procedures.

Special advantages
Neuropan-2 supplement is a chemically-defined, serum-free supplement for the growth of primary embryonic neurons as well as embryonic neurospheres/CNS progenitor cells when combined with bFGF and EGF in Neuropan basal medium.

Preparation of Neuropan Growth Medium
Thaw the Neuropan-2 supplement (100x) at 15°C to 25°C before use. Aseptically transfer the calculated amount of supplement to the Neuropan basal medium. The basal medium contains no L-glutamic acid and aspartic acid. For initial plating, you should add 25 µM L-glutamic acid. Close the bottle and swirl gently until a homogenous mixture is formed.

Instructions for Use
- Warm up the desired amount of complete Neuropan growth medium to 37°C.
- Count neuronal cells and plate them on coated culture dishes (e.g. fibronectin, poly-D-lysine) with complete Neuropan growth Medium.
- Incubate the cells in the usual way in CO_2-incubator at 37°C with 5% CO_2.
- Feed cells with fresh Neuropan every second to third day.
- Split the cells if a confluency of 75% is reached.

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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