

## Datasheet Neuropan 2 Supplement

Defined serum substitute for serum-free culture of neuronal cells

Product	Description	Catalogue-No.	Size
Neuropan 2 Supplement 100x	Defined serum substitute for neuronal cells	P07-11010	10 ml

### Product description:

Neuropan 2 Supplement is provided as a 100x serum substitute designed for growth and survival of neuronal cell types from both, the peripheral and the central nervous system. When culturing neuroblastomas, glutamine and glutamate should be included.

### Storage conditions:

Storage: -20° C in the dark  
 Stability: 1 year  
 Size: 10 ml – others on request

### Composition:

Neuropan 2 Supplement is a serum substitute of defined composition containing albumin, insulin, transferrin, and hormones. It is used as a supplement to Neuropan Basalmedium to support growth and survival of neuronal cells.

### Suitability:

Neuropan 2 Supplement is used in combination with Neuropan Basalmedium. The combination of Neuropan Basalmedium with Neuropan 2 is also effective for the growth of tumor cell lines of neuronal origin and differentiation of stem cells into neuronal cell types.

### Special Advantages:

For differentiation of ES cells into neuronal lineage cells. For differentiation of neural stem cells into astrocytes and neurons. For serum-free growth of neuroblastomas.

### Instructions for Use:

Neuropan 2 is supplied as a 100x concentrate; add 1 ml Neuropan 2 Supplement to 99 ml Neuropan Basalmedium. Coat culture vessels with a 0.05 mg/ml of cold poly-D-lysine and incubate for 1 h or overnight; for primary cultures use 0.15 ml/cm<sup>2</sup> surface area; for neuroblastoma cell lines coat the dish with 0.04 ml/cm<sup>2</sup> of poly-D-lysine. For neuroblastomas supplement Neuropan Basalmedium (P04-00900) with Neuropan 2, and add 0.5 mM L-glutamine (Cat. No. P04-80100) and 25 µM (3.7 µg/ml) L-glutamate to the medium.

### Technical Support:

Additional information will be available on our website: [www.pan-biotech.com](http://www.pan-biotech.com)

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](mailto:info@pan-biotech.com)) or phone +49-8543-601630