

# Neuropan Basal Medium

## Serum-free Basal Medium for the Cultivation of Neurons

Product	Description	Catalogue-No.	Size
Neuropan Basal medium	Basal medium used in combination with supplements to make a complete serum-free medium for neurons	P04-00900	500 ml

### Product description

Neuropan basal medium is formulated to meet special requirements of neuronal cells. When supplemented with Neuropan-27 or Neuropan-2 Supplement, it allows long-term maintenance of the normal phenotype and growth of neuronal cells, and maintains pure populations of neuronal cells without the need for an astrocyte feeder.

### Storage conditions

Storage: 2-8°C  
 Stability: 1 year from date of production  
 Filling: 500 ml, other sizes on request

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

### Composition

Neuropan basal medium contains salts, amino acids, glucose, L-glutamine, trace elements, in an optimized formulation.

### Suitability

Neuropan basal medium 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

Supplemented Neuropan basal medium allows the cultivation of neuronal cells under serum-free conditions. Neuropan complete medium contains all the growth factors and supplements necessary for the optimal growth of fetal hippocampal neurons and many other neurons of the Central Nervous System (CNS) and Peripheral Nervous System (PNS).

### Preparation of Neuropan Growth Medium

Neuropan basal medium requires supplementation with Neuropan-27 (Cat. No. P07-07100), Neuropan-2 (Cat. No. P07-11100) supplement or with serum.

It contains no L- glutamic acid and L-aspartic acid. For initial plating, you should add 25 µM L-glutamic acid. Thaw the supplement at 15°C to 25°C before use. Aseptically transfer the calculated amount supplement to the Neuropan basal medium. 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 an Incubator at 37°C with 5% CO<sub>2</sub>.
- Feed cells with fresh Neuropan growth medium 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](mailto:info@pan-biotech.com)) or phone +49-8543-601630.

11/2016