

## Technical data sheet

### NC-Basal Medium

Serum-free Basal Medium for the Cultivation of Neurons  
w/o L-Glutamine

AC-AP-0029	250 ml
AC-AP-0030	500 ml
AC-AP-0031	1000 ml

#### Description:

NC-Basal media is formulated to meet special requirements of neuronal cells.

When supplemented with NC-27 or NC-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.

#### Spezifikation

Form	liquid
Sterility	sterile
Shelf life	12 months
serafree	yes
Storage	+2 to +8 °C
Cell type	neuronal stem cells

#### Use:

##### **With NC-27 Supplement:**

Add 2 ml NC-27 Supplement (Cat. No. AC-AP-0020 – AC-AP-0024; or other commercially available variants) and 0.5 mM L-Glutamine to 100 ml NC-Basal media under sterile conditions.

##### **With NC-2 Supplement:**

Add 1 ml N2 Supplement (100x; Cat. No. AC-AP-0011 - AC-AP-0015) and 0.5 –2mM L-Glutamine to 100 ml NeuroBase under sterile conditions.

The complete supplemented NC-Basal media is stable for up to one week when stored at +2°C to +8°C in the dark.

## Culture of neuronal cells:

- Use Poly-D-Lysine coated sterile culture vessels.
- Plate cells in pre-warmed (+37°C) complete NeuroBase medium (160 cells/mm<sup>2</sup> or suggested density supplied with the cells).
- After 4 – 24 hours incubation at +37°C and 5 % CO<sub>2</sub>, replace half of the media with the same volume of fresh complete medium.
- Change half of the media every 3 to 4 days.