

**DESCRIPTION**

N-2 Supplement is a chemically defined, serum-free supplement based on Bottenstein's N-1 formulation. It is used for growth and expression of neuroblastomas as well as post-mitotic neurons in primary cultures from both the peripheral nervous system and the central nervous system. N-2 Supplement is provided as a 100X concentrate liquid.

**MAIN FEATURES**

- Support cell growth and expansion
- No animal derived element.
- Compatible to the other brand.
- Easy to make a complete medium with other basal mediums.

**MEDIA SIZE AND STORAGE CONDITION**

Name	Concentration	Unit Size
N-2 Supplement	100x	5 mL

Storage:  $\leq -20$  °C in dark

Shelf-life: 12 months

**APPLICATIONS**

- Differentiation of ES or iPS cells into neuron lineage (neurons and astrocytes).
- Differentiation of neuronal stem cells into astrocytes and neurons.
- Optimal serum free growth for neuroblastomas.

**PREPARATION A COMPLETE MEDIUM**

Aseptically add 1 part of N-2 Supplement (100x) into 99 parts of a basal medium before use. The final concentration of the N-2 Supplement is 1% (v/v) in the complete medium.

*Note: 1) Remaining N-2 Supplement may be aliquoted into working volumes and stored at  $-20^{\circ}\text{C}$  to  $-5^{\circ}\text{C}$ . Thaw aliquots as needed. Do not freeze-thaw the Supplement more than twice. 2) Once supplemented, the complete medium is stable for up to one week when stored in the dark at  $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$ .*

**RELATED PRODUCTS**

B-27 Supplement (50x) (TBS8079)  
 B-27 Supplement without Vitamin A (50x) (TBS8080)  
 Neurobasal Plus Medium (TBS8082)  
 DMEM/F12, HEPES(TBS8083)  
 M2 Mouse Embryo Medium (TBS8070)  
 KSOM Mouse Embryo Medium without AA(TBS8071)  
 Human Tubal Fluid (HTF) Mouse Embryo Medium (TBS8072)  
 Adipocyte Differentiation Cocktail (TBS8017)  
 Chondrogenic Differentiation Medium (TBS8062)  
 Human ES and iPS Complete Cell Medium (Chemically defined) (TBS8064)

**For research use only.**