Neo N2 Supplement (100x), Serum-free

#Cat: NB-58-0026 size: 5 ml

General Information

Neo N2 Supplement is a serum-free, chemically defined supplement based on Bottenstein's N2 formulation. It is recommended for the growth and expression of neuroblastomas and for the survival and expression of post-mitotic neurons in primary cultures from both the peripheral nervous system (PNS) and the central nervous system (CNS).

Applications:

Neo N2 Supplement can be used in combination with Neo NCS21 Supplement for:

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

Product Specifications

Appearance	**Clear orange liquid**
Storage	Store at ≤-15°C, protected from light.
Shipping conditions	Frozen (dry ice)

Formulation

Component	**µg/ml**
Human Transferrin (Holo)	10000.00
Human Insulin, recombinant	500.00
Progesterone	0.63
Putrescine	1611.00
Sodium Selenite	0.52

Reference: Bottenstein, J.E. (1985) Cell Culture in the Neurosciences, Bottenstein, J.E. and Harvey, A.L., editors, p. 3, Plenum Press: New York and London.

Instructions for Use

Neo N2 Supplement is provided as a 100 fold concentrate. Dilute Neo N2 Supplement into the base medium 1 : 100. The final concentration of Neo N2 Supplement corresponds to 1x. For preparation of 100 ml medium add 1 ml Neo N2 Supplement into 99 ml of the appropriate base medium.

Cell culture vessels must be coated with Poly-D-Lysine (0.05 mg/ml). Fibronectin must be added at a final concentration of 5 to 10 µg/ml directly to the medium.

For serum free growth of neuroblastomas add Neo N2 Supplement (100x) into base medium (supplemented with 0.5 mM L-Glutamine and 25 µM Glutamate) to a final concentration of 1x.

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Related Products

Product	Cat. No.
Neo NCS21 Supplement (50x), Serum-free	NB-58-0043

Precautions and Disclaimer

This product is for research use and further manufacturing only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Help Needed?

If you have any further questions regarding this product, please do not hesitate to contact Neo Biotech, 74 rue des Suisses, 92000 Nanterre - France.