

NCS21 Supplement (50x), Serum-free

General information

NCS21 Supplement is a serum-free supplement for neuronal cell cultures. It is an optimized and modified formulation of B27® Supplement1 (B27® is a registered trade mark of Life Technologies Corporation).

NCS21 Supplement is suitable for the long-term viability and growth of hippocampal and other neurons of the central nervous (CNS) and peripheral nervous system (PNS). The supplement is a chemically defined 50x concentrate and contains vitamins, hormones and other growth factors including insulin human transferrin, catalase, antioxidants and fatty acids.

Applications

- Differentiation of ES cells into neuron lineage (neuron and astrocytes).
- Differentiation of neuronal stem cells into astrocytes and neurons.
- Optimal growth and long-term survival of rat hippocampal neurons (fetal and adult).
- Survival of neurons from embryonic rat striatum, substantia nigra, septum and cortex, and neonatal rat cerebellum (fetal and adult).

Composition

L-Carnitine	Retinyl Acetate
Corticosterone	Sodium Selenite
Ethanolamine	T3 (Triodo-L-Thyronine)
D(+)-Galactose	DL- α -Tocopherol
L-Glutathion reduced	DL- α -Tocopherol Acetate
Linoleic Acid	Proteins:
Linolenic Acid	Bovine Serum Albumin
Lipoic Acid	Catalase
Progesterone	Human Recombinant Insulin
Putrescine	Superoxide Dismutase
Retinol	Human Transferrin (holo)

Ordering information

Catalogue number	Pack size
LTGA05	10 ml

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