

# N-2 Supplement (100×), Sterile

## 1 Packing list

Components	HY-K3012-5 mL	HY-K3012-10 mL	HY-K3012-50 mL
N-2 Supplement (100×), Sterile	5 mL	2 × 5 mL	10 × 5 mL

## 2 Introduction

N-2 Supplement promotes cell growth and survival. It has been associated with the growth and expression of neuroblastoma, and with post-mitotic neuronal survival and expression in primary cultures of both the peripheral nervous system (PNS) and central nervous system (CNS). It is primarily used in the cultivation of neural cell lines and in the culture and directed differentiation of pluripotent stem cells. It can be used in conjunction with growth factors such as bFGF and EGF in serum-free neuronal cell culture mediums, DMEM and the DMEM/F12.

MCE N-2 Supplement (100×), Sterile is a chemically-defined, serum-free supplement based on Bottenstein's N-1 formulation, the solution contains transferrin, recombinant insulin, luteinizing hormone, putrescine, and selenite. This product is formulated with water-for-injection, and the recommended working concentration in the cell culture medium is 1×.

## 3 General Protocol

Add N-2 Supplement (100×), Sterile in proportion (1:100 (v/v)) to the sterile cell solution, mix well before use.

## 5 Storage

-20°C, 2 years

Keep away from light

## 6 Precautions

1. This product appears as a light pink liquid. The color may not be consistent following freezing, but it can fully dissolve in a 37°C water bath.
2. It is recommended to appropriately aliquot the solution to avoid repeat freeze-thaw cycles.
3. Pay attention to aseptic operation to avoid contamination.
4. This product is for R&D use only, not for drug, household, or other uses.
5. For your safety and health, please wear a lab coat and disposable gloves to operate.