

# Bi-27 Supplement (50×), Vitamin A-Free, Sterile

## 1 Packing list

Components	HY-K3014-10 mL	HY-K3014-50 mL
Bi-27 Supplement (50×), Vitamin A-Free, Sterile	10 mL	10 mL × 5

## 2 Introduction

Bi-27 Additive (50×), Vitamin A-Free is a customized variant of the standard Bi-27 formulation with vitamin A removed as a supplement for neuronal cell culture to support the low- or high-density growth and short- or long-term viability of embryonic.

MCE Bi-27 Supplement (50×), Vitamin A-Free, Sterile is an optimized serum-free supplement, which contains a variety of antioxidants designed to mitigate reactive oxidative damage in cells. This product is formulated with water-for-injection, and the recommended working concentration in the cell culture medium is 2%.

## 3 General Protocol

Prepare complete Neuronal basal Medium

1. Thaw MCE Bi-27 Supplement (50×) overnight at 4°C.
2. Aseptically add 2% MCE Bi-27 Supplement (50×) and 0.5mM L-Glutamine (MCE Cat No: HY-K1046) to the Neuronal Basal Medium before use.
3. Primary Hippocampal Neuron Culture: Add 25 μM of L-glutamate to the complete Neuronal Basal Medium. The medium can be replaced after 4 days of culture, and glutamate should not be added to the medium after this change.

Note: Once prepared, the complete Neuronal Basal Medium can be stored at 4°C for two weeks, protected from light.

## 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.