



User Manual

OriCell™ B28™ Neuron culture supplement (50X)

Cat. No. BNCS-50101

PRODUCT DESCRIPTION:

OriCell™ B28 Neuron Culture Supplement (50×) is a serum-free stocking solution for the long-term viability of Neurons (derived from hippocampus and other tissues). It can be added to Cyagen Neuron Basal Medium or Invitrogen NeuroBasal™ and NeuroBasal™-A for culturing of neurons. This product contains BSA.

The product is intended for laboratory research use only. It is not intended for diagnostic, therapeutic, clinical, household, or any other applications.

FEATURES:

- Supports optimal growth and long-term survival of neurons
- Excellent ability to promote cell adhesion and formation of visible networks
- Compatible with Cyagen Neuron Basal Medium or Invitrogen NeuroBasal™ and NeuroBasal™-A
- Reduced glial cells in culture
- Can be used for most CNS neurons, especially neurons of embryonic origin from rats and mice
- Batch-to-batch consistency

INSTRUCTIONS:

Add 2mL B28 Neuron Culture Supplement (50x) to 98mL Neuron Basal Medium (Cat. No. GXXNR-03011), then add L-Glutamine to a final concentration of 0.5mM.

Preparation of complete medium:

1. About 30 minutes prior to use, thaw B28 and Glutamax solution at room temperature. Invert the vials several times to ensure homogeneity.



Note: Centrifuge the vials briefly at low speed before removing the caps to ensure recovery of entire content.

2. Disinfect with 70% v/v ethanol the external surfaces of the bottles/vials for every component in the kit. Allow ethanol to evaporate.
3. In a laminar flow hood aseptically open the bottles/vials.
4. Transfer the entire amount of B28 and Glutamax solution into SD Fetal Rat Hippocampus Neurons Basal Medium.
5. Rinse the vials with the medium and transfer the rinse medium back to the bottle of basal medium.
6. Gently swirl the fully supplemented (complete) medium to ensure a homogeneous mixture. The complete medium is now ready to use.
7. Once prepared, the fully supplemented (complete) medium can be stored for up to one month when stored in the dark at 2 to 8°C.



Note: Although each component in this kit is supplied sterile, it is strongly recommended that the fully supplemented (complete) medium be filtered.

STABILITY AND STORAGE:

Store at -20°C in the dark for up to two years. Avoid repeated warm-cooling and freeze-thawing for optimal performance.

QUALITY CONTROL:

B28 Neuron Culture Supplement with Neuron Basal Medium (Cat. No. GXXNR-90011) is performance tested on OriCell™ SD Fetal Rat Cortex Neurons (Cat. No. SCCFN-00001).

Standard evaluation includes:

1. Sterility test (bacteria, fungi and mycoplasma)
2. pH test
3. Osmolality
4. Endotoxin
5. Cell proliferation assay

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