

## User Manual

### ***OriCell™ Neuron Growth Medium***

Cat. No. GXXNR-90011



## PRODUCT DESCRIPTION:

OriCell™ Neuron Growth Medium consists of optimized Neuron Basal Medium and pre-screened supplements. This product has been developed for the optimal maintenance of neurons.

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

## KIT COMPONENTS:

Neuron Basal Medium (Cat. No. GXXNR-03011)	97 mL
B28	2 mL
Glutamine	1 mL

## INSTRUCTIONS:

### Preparation of the Complete Medium

1. About 30 minutes prior to use, thaw B28 and Glutamine 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 the entire content.

2. Disinfect the external surfaces of the bottles/vials for every component in the kit with 70% v/v ethanol. Allow ethanol to evaporate.
3. Aseptically open the bottles/vials inside a laminar flow hood.
4. Transfer the entire amount of the B28 and Glutamine solution into the Neuron Basal Medium.
5. Rinse each vial with a small amount of basal medium. Subsequently transfer the rinse medium back into 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.



**Note:** Although each component in this kit is supplied sterile, it is strongly recommended to filter the fully supplemented (complete) medium.

## STABILITY AND STORAGE:

All products should be stored in the dark. Neuron Basal Medium is stable at 2-8°C for

up to one year. Other components are stable at -20°C for up to two years.

These products should be discarded beyond the labeled expiration date. Once prepared, the fully supplemented complete medium can be stored for up to one month when stored in the dark at 2-8°C.

For optimal performance, repeated warm-cooling and freeze-thawing should be avoided.

## QUALITY CONTROL:

OriCell™ Neuron Growth Medium has been tested for performance on neurons. The standard evaluation includes:

- Sterility test (bacteria, fungi, and mycoplasma)
- pH test
- Osmolality
- Endotoxin

## RELATED PRODUCTS:

Product	Catalog Number
OriCell™ F344 Fetal Rat Hippocampus Neurons	FHCFN-00001
OriCell™ F344 Rat Cortex Neurons	FCCFN-00001
OriCell™ SD Fetal Rat Hippocampus Neurons	SHCFN-00001
OriCell™ SD Fetal Rat Cortex Neurons	SCCFN-00001
OriCell™ Wistar Fetal Rat Hippocampus Neurons	WHCFN-00001
OriCell™ Wistar Fetal Rat Cortex Neurons	WCCFN-00001
OriCell™ B28 Neuron Culture Supplement	BNCS-50101

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