

User Manual

OriCell™ Serum Free Medium For Mouse Neural Stem Cells

Catalog No. MUXNF-90011



Introduction

OriCell™ Serum Free Medium For Mouse Neural Stem Cells, meticulously formulated by the OriCell™ R&D team, contains a basic medium optimized for the growth of mouse neural stem cells, along with essential additives to support cell proliferation and maintenance.

Extensive cell culture data demonstrate that this product can maintain healthy growth of mouse neural stem cells in vitro over extended periods.

Note: This product is only provided for further scientific research. It is not intended for diagnostic, therapeutic, clinical, household, or any other applications.

When citing our products in academic journals, please indicate “OriCell™ + Catalog Number, from Cyagen Biosciences (Guangzhou) Inc.”

Product Information

Components	Catalog Number	Volume
OriCell™ Basal Medium For Cell Culture	BDMF-03011	97 mL
OriCell™ Supplements For Mouse Neural Stem Cell Culture	MUXNF-04011	3 mL

QC

- Pass the detection of bacteria, fungi, mycoplasma, and endotoxins.
- Pass the detection of osmotic pressure and pH.
- Pass the detection of product quality.

Please reference "COA" for details.

General Handling Principles

1. Ensure that all equipment is kept clean and tidy.
2. Standard operation method. Please operate according to the method described in the product manual, strictly control the variables, and do a controlled experiment.
3. The ingredients should be properly stored in accordance with the storage conditions and used as soon as possible.
4. If a complete set of medium cannot be used in a short period of time, it should be prepared in batches according to the volume ratio of each component in the kit and stored in aliquots.

Product Stability and Storage Conditions

1. All ingredients must be kept in dark place.
2. The basal medium should be stored in a refrigerator at 4 °C for a period of 1 year. Other components should be stored at -20°C for a period of 2 years.

3. The prepared complete medium can be stored at 4 °C for a period of 1 month. If the culture conditions are stable, the container has great sealing performance, and there is no alternation of hot and cold condition, the period of using can be appropriately extended, but not exceed 45 days.
4. Please use all products within the expiration date. Expired ingredients may significantly affect the cell culture effect.

Preparation of Complete Medium

Materials Required

- OriCell™ Serum Free Medium For Mouse Neural Stem Cells (Cat. No.: MUXNF-90011)
- Clean, sterile, and stable quality disposable consumables (pipettes, pipette tips, centrifuge tubes, etc.)
- Clean sealing film
- Aluminum foil paper and other light-avoiding materials

Steps

1. At least 30 minutes before preparation, place the OriCell™ Supplements For Mouse Neural Stem Cell Culture in a refrigerator at room temperature to allow it to thaw completely.
2. Use 75% ethanol to carefully wipe the outer packaging of all ingredients. Open the package in the clean bench.
3. Add all supplements to OriCell™ Basal Medium.
4. Tighten the cap of the basal medium bottle, shake gently and thoroughly.

Note:

1) If complete medium will not be used immediately, we recommend to preparing in batches. Please prepare the required amount according to the ratio of each component in the kit, but the

remaining components must be stored in accordance with their respective storage conditions and not be frozen and thawed multiple times.

2) Please choose whether to add penicillin/streptomycin according to your own needs. If you do need, please buy it yourself.

5. Seal the bottle with parafilm, wrap the bottle with aluminum foil paper, and mark the name, preparation date and other information.

Note: All components in OriCell™ Serum Free Medium For Mouse Neural Stem Cells are strictly aseptically controlled. Under normal circumstances, we do not recommend sterilization again. If there is a risk of contamination during the preparation process, the complete medium can be filtered and sterilized.

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