

PRODUCT DESCRIPTION

NeuroCult™ Neuronal Basal Medium is designed to be used in combination with NeuroCult™ SM1 for substrate-dependent culture or NeuroCult™ SM2 for substrate-independent culture of embryonic mouse and rat primary neurons. The formulation of NeuroCult™ Neuronal Basal Medium was developed and optimized to give reproducibly high numbers of functional, mature neurons. NeuroCult™ Neuronal Basal Medium is designed to support the culture of primary neurons at low or high cell densities in both short- and long-term cultures.

STABILITY AND STORAGE

NeuroCult™ Neuronal Basal Medium is stable at 2 - 8°C for 8 months from the date of manufacture as indicated on the label.

NeuroCult™ Neuronal Basal Medium is supplied in a volume of 100 mL for ease of use and to avoid the excessive air uptake that occurs with the frequent opening associated with a larger volume bottle.

This product has been aseptically manufactured using tightly controlled processes and is sterility tested.

REQUIRED REAGENTS AND EQUIPMENT

Substrate-Dependent Culture

- Poly-D-Lysine (Catalog #P7280, Sigma-Aldrich)
- NeuroCult™ SM1 Neuronal Supplement (Catalog #05711)

OR

Substrate-Independent Culture

- NeuroCult™ SM2 Neuronal Supplement (Catalog #05721)

DIRECTIONS FOR USE

Substrate-Dependent Primary Neuron Culture

For complete instructions on substrate-dependent culture of primary neurons with NeuroCult™, refer to the Product Information Sheet (PIS) for NeuroCult™ SM1 Neuronal Supplement (Catalog #05711).

Substrate-Independent Primary Neuron Culture

For complete instructions on substrate-independent culture of primary neurons with NeuroCult™, refer to the Product Information Sheet (PIS) for NeuroCult™ SM2 Neuronal Supplement (Catalog #05721).

