

Mouse Trigeminal Neurons

Cat. No. ARP0620, 5×10^5 cells/vial

Description

Research on the Mouse Trigeminal Neurons is essential to the study of migraine pathophysiology, trigeminal neuralgia, temporomandibular joint (TMJ) disorders, orofacial pain, and herpes zoster ophthalmicus. The trigeminal nerve is the fifth (CN V) cranial nerve and transmits nerve signals between the brain and the face. The Mouse Trigeminal Neurons are to be used with Mouse Trigeminal Neuron Medium (Cat. No. ACM0620). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

Specification

Cell Type: Neurons

Tissue/Organ: Trigeminal nerve

Disease: Normal

Species: *Mus musculus* (Mouse)

Genetic Background: N/A

Markers: Neuron-Specific Enolase (NSE)

Symbols: MTN

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.

Intended Use

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Culturing Guidance

Morphology: Irregular

Growth Mode: Adherent

Temperature: 37°C

Atmosphere: 5% CO₂

Unpacking and Storage Instructions

1. Visually inspect all packaging components for integrity and verify adequate dry ice.
If any damage is observed, notify Ascent Technical Support immediately.
2. Prioritize transfer to liquid nitrogen vapor phase storage system (-130°C or below).
Secondary option: -80°C mechanical freezer (short-term storage only).
Always maintain temperature strictly below -65°C.

Disclaimer

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This document was last updated on June 20, 2025.