

# Mouse Trigeminal Astrocytes

Cat. No. ARP0621,  $5 \times 10^5$  cells/vial

## Description

Research on the Mouse Trigeminal Astrocytes is essential to the study of migraine pathophysiology, trigeminal neuralgia, temporomandibular joint disorders, orofacial pain, and cluster headache models. The trigeminal nerve is the fifth (CN V) cranial nerve and transmits nerve signals between the brain and the face. The Mouse Trigeminal Astrocytes are to be used with Mouse Trigeminal Astrocytes Medium (Cat. No. ACM0621). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

## Specification

Cell Type: Neuroglial Cells

Tissue/Organ: Trigeminal nerve

Disease: Normal

Species: *Mus musculus* (Mouse)

Genetic Background: N/A

Markers: Glial Fibrillary Acidic Protein (GFAP)

Symbols: MTA

## Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN<sub>2</sub>) cryopreservation.

## Intended Use

This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.



## Culturing Guidance

Morphology: Irregular

Growth Mode: Adherent

Temperature: 37°C

Atmosphere: 5% CO<sub>2</sub>

## 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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