

# Rat Oligodendrocytes

Cat. No. ARP0373,  $5 \times 10^5$  cells/vial

## Description

Research on the Rat Oligodendrocytes is essential to the study of experimental autoimmune encephalomyelitis (EAE), hypoxic-ischemic white matter injury, toxin-induced demyelination (e.g., cuprizone model), and spinal cord injury models. The brain is the main component of the central nervous system (CNS) and is located within the cranial cavity. It consists of several major parts: the cerebrum, diencephalon, cerebellum, and brainstem. The brain is responsible for processing information, regulating bodily functions, and enabling cognition, emotions, and behavior. Together with the spinal cord, the brain forms the central nervous system. The Rat Oligodendrocytes are to be used with Rat Oligodendrocyte Medium (Cat. No. ACM0373). 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: Brain

Disease: Normal

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers: Myelin Basic Protein (MBP)

Symbols: RO

## 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: Round or elliptical

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

Ascent Research endeavors to provide accurate and up-to-date product information. However, no warranties or representations are made regarding its completeness or reliability. References to scientific literature and patents are for informational purposes only, and the customer assumes sole responsibility for verifying their accuracy.

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