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Mouse Adrenal Medullary Cells

Cat. No. ARP0523, 5×10⁵ cells/vial

Description

Research on the Mouse Adrenal Medullary Cells is essential to the study of pheochromocytoma models, stress-induced catecholamine dysregulation, hypertension studies, autonomic nervous system dysfunction, and neuroendocrine tumor research. The adrenal glands are paired, triangular-shaped endocrine organs situated on the superior (upper) pole of each kidney. Each adrenal gland contains two main parts: the cortex and the medulla. The cortex produces steroid hormones, such as cortisol, aldosterone, and androgens, while the medulla secretes catecholamines, such as adrenaline and noradrenaline. These adrenal-gland-secreted hormones regulate essential physiological functions, including the aspects of metabolism, stress response, osmoregulation, and reproductive function. Dysfunction of the adrenal glands potentially results in conditions such as hypertension, metabolic imbalances, or endocrine disorders. The Mouse Adrenal Medullary Cells are to be used with Mouse Adrenal Medullary Cell Medium (Cat. No. ACM0523). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

Specification

Cell Type: N/A

Tissue/Organ: Adrenal gland

Disease: Normal

Species: Mus musculus (Mouse)

Genetic Background: N/A

Markers: Neuron-Specific Enolase (NSE)

Symbols: MAMC

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN_2) 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: Fusiform, Irregular

Growth Mode: Adherent

Temperature: 37°C

Atmosphere: 5% CO_2

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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