

Rat Primary Pancreatic Islets

Catalog No. RN-6232

Suggested Medium

M2269 Pancreatic islet culture medium /w Kit – 100 ML

Product Description

Rat primary pancreatic islets are isolated from Sprague–Dawley rats pancreases using collagenase P and purified by Ficoll density gradient centrifugation. The isolated islets are cultured in Cell Biologics' Islet Medium (supplemented with 5% fetal bovine serum). These cells can be used in experiments designed using the cell culture conditions specified by Cell Biologics. These cells do not proliferate in culture and cannot be passaged.

Product Testing

Rat primary pancreatic islets are assayed for viability using the FDA/PI assay, purity using dithizone staining, and static insulin secretion is measured in response to 14 mM glucose. Dynamic insulin secretion assays and calcium imaging in response to glucose and other stimuli are also available if desired.

Storage

Cell Biologics ships fresh islet cells at room temperature or 4°C. Upon receipt, immediately transfer the cells to a 37°C, 5% CO₂ incubator.

Authorized Uses of Cell Biologics' Products

Rat primary pancreatic islets from Cell Biologics are distributed for internal research purposes only. Our products are not authorized for human use, for in vitro diagnostic procedures or for therapeutic procedures. Transfer or resale of any Cell Biologics' cells or products from the purchaser to other markets, organizations or individuals is prohibited by Cell Biologics, without the company's written consent. Cell Biologics' Terms and Conditions must be accepted before submitting an order.

Disclaimer

Investigators should handle the cells that they receive from Cell Biologics with caution and treat all Cells as potential pathogens, since no test procedure can completely guarantee the absence of infectious agents.

Warranty and Liability

Cell Biologics' guarantee applies only to your purchase of Cell Biologics' cells with Cell Biologics' Media and Coating Solution for appropriate cell culture and cell testing following Cell Biologics' online protocols within 35 days from the date of product delivery.