

Rat Primary Cardiomyocytes

Catalog No. RN-6368

Suggested Medium

M6368 Cardiomyocytes medium/w Kit – 125 ml

Product Description

Rat Primary Cardiomyocytes were derived from the hearts of newborn neonatal Sprague–Dawley rats and cultured using Cell Biologics cell culture medium in tissue culture flasks or plates pre-coated with gelatin solution and fibronectin. Cells at passage 0 are cryo-preserved at a density of 0.5×10^6 cells/mL per vial. Upon request, beating cardiomyocytes can be delivered for use in experiments. The cells show a typical elongated and flattened morphology under light microscopy. Cells are tested for expression of cardiomyocyte markers using antibody cardiac Troponin I (cTnI, Catalog No. ab47003, from Abcam) or Myosin heavy chain (Catalog No. MA5-35613, from ThermoFisher Scientific) by immunofluorescence staining. These cells are negative for bacteria, yeast, fungi, and mycoplasma. Repeated freezing and thawing of cells is not recommended.

Storage

Cryopreserved cells will be shipped overnight on dry ice. Upon arrival, please immediately transfer the frozen cells to liquid nitrogen (-180°C) until ready for use. Upon request, beating cardiomyocytes can be delivered for use in experiments. Primary cells should never be stored in a -20°C or -80°C freezer.

Authorized Uses of Cell Biologics' Products

Rat Primary Cardiomyocytes 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.