

P10442

The cardiac fibroblasts (CF) are the principal cell type of the heart. They provide structural support for cardiac myocytes and are responsible for extracellular matrix synthesis, which are involved in processes like inflammatory stimuli and can contribute to accelerate heart diseases.

Cardiac Fibroblasts are an important cellular component of myocardial responses to injury and the source of paracrine growth factors. Their proliferation and synthesis of matrix is essential for scar formation at sites of myocardial infarction, cardiac fibrosis, and is often complicated by cardiac hypertrophy.

CF culture has been widely used as a model to study the cardiac matrix remodeled by physiological (exercise) and pathological (hypertension) stressors.



MONKEY CARDIAC FIBROBLASTS

Product type: Cryo-preserved Cardiac Fibroblasts

Catalog Number: P10442

Source: Monkey Heart Tissue (Cynomolgus Monkey)

Number of Cells/vial: 5 x 10⁵ cells / vial

Storage: Liquid Nitrogen

Background

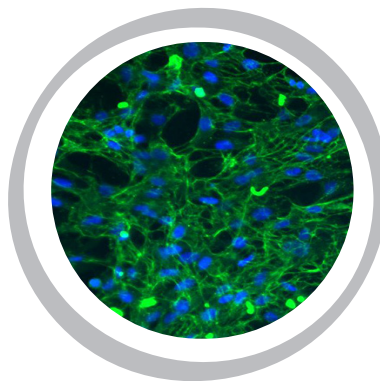
Monkey Cardiac Fibroblasts (MoCF) are isolated from adult Cynomolgus monkey heart tissue. MCF are cryopreserved from passage one culture. MCF are guaranteed to further expand for 10 population doublings at the conditions recommended in the instructions provided by Innoprot.

Recommended Medium

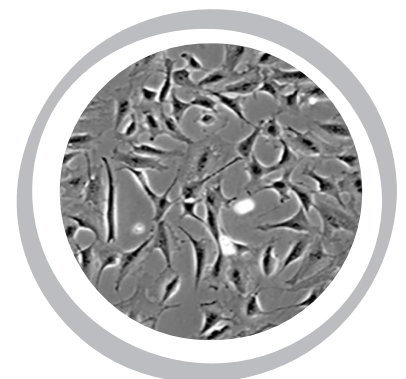
Ref. P60108 - Fibroblast Medium Kit.

Characterization

The cells are tested negative for HIV-1, HBV, HCV, mycoplasma, bacteria, yeast and fungi.



Fibronectin Immunostaining



Phase contrast image

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