

P10446

Smooth muscle cell (SMC) is the cellular substate of most significant arterial disease. The increased growth potential of vascular SMC represents one of the crucial anomalies responsible for the development of essential vascular diseases.

New studies demonstrate that SMC express calcium channels and the expression of ICAM-1 and VCAM-1 on SMC may contribute to the inflammatory reaction in the vascular wall and may actively be involved in the progression and stability of vascular disease.

In vitro culture of human vascular SMC as a model of vascular research played a critical role and continues providing information in the pharmacology and the therapy of vascular diseases.



MONKEY AORTIC SMOOTH MUSCLE CELLS

Product type: Cryo-preserved Aortic Smooth Muscle Cells

Catalog Number: P10446

Source: Monkey Aorta (Cynomolgus Monkey)

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

Storage: Liquid Nitrogen

Background

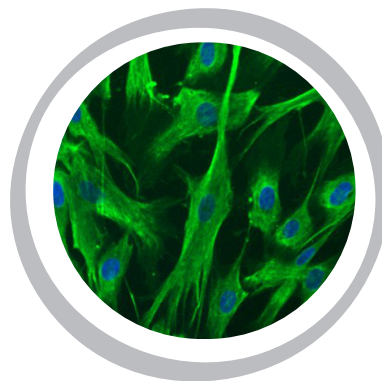
Monkey Aortic Smooth Muscle Cells (MoASMC) provided by Innoprot are isolated from Cynomolgus monkey aorta. MoASMC are cryopreserved at passage one after purification and delivered frozen. MoASMC are guaranteed to further expand for 10 population doublings at the conditions described in this technical sheet.

Recommended Medium

Ref. P60125 - Smooth Muscle Cell Medium Kit.

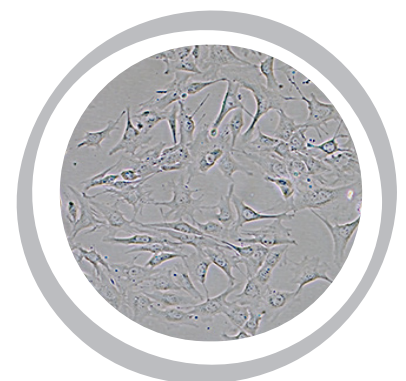
Characterization

Immunofluorescent method
o α -smooth muscle actin



α -smooth muscle actin

Phase contrast image



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

THIS PRODUCT IS FOR RESEARCH PURPOSES ONLY

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