

## P10643

HStEC are intralobular connective tissue cells presenting myofibroblast-like or lipocyte phenotypes.

They participate in the homeostasis of liver extracellular matrix, repair, regeneration, fibrosis and control retinol metabolism, storage and release. Following liver injury, HStEC transform into myofibroblast-like cells and are the major source of type I collagen in the fibrotic liver.

Beyond these feature, HStEC have been implicated as regulators of hepatic microcirculation via cell contraction, and in disease states, in the pathogenesis of intrahepatic portal hypertension.

Proliferation and migration of HStEC and expression of chemokines are involved in the pathogenesis of liver inflammation and fibrogenesis.



## MONKEY HEPATIC STELLATE CELLS

**Product type:** Cryo-preserved Stellate Cells

**Catalog Number:** P10643

**Source:** Monkey Liver (Cynomolgus monkey)

**Number of Cells/vial:**  $5 \times 10^5$  cells / vial

**Storage:** Liquid Nitrogen

### Background

Monkey Hepatic Stellate Cells (MoHStEC) provided by Innoprot are isolated from Cynomolgus monkey liver. MoHStEC are cryopreserved at passage one after purification and delivered frozen. MoHStEC are guaranteed to further expand for 15 population doublings at the conditions described in this technical sheet.

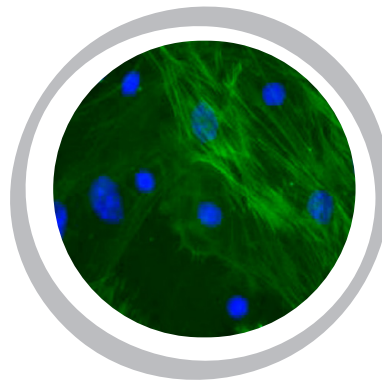
### Recommended Medium

Ref. P60126 - Stellate Cell Medium Kit.

### Characterization

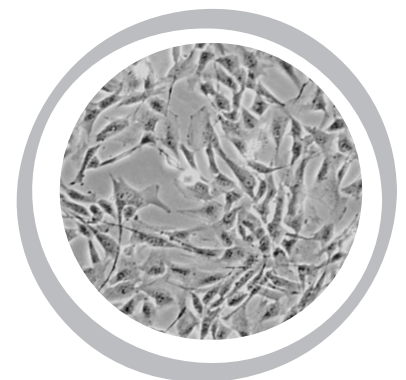
Immunofluorescent method

- o Desmin
- o  $\alpha$ -actin



$\alpha$ -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

*It is not to be used for drug or diagnostic purposes, nor is it intended for human use. Innoprot products may not be resold, modified for resale, or used to manufacture commercial products without written approval of Innovative Technologies in Biological Systems, S.L.*