

Human Liver Stellate Cells (HLStC)

Human Liver Stellate Cells (HLStC) (v.: 1.1)

Cat#: PB-CH-053-5711-02.5 or -05 (P3)

Product Description

Human Liver Stellate Cells (HLStC) (PB-CH-053-5711-02.5 or -05) are initiated by hepatic perfusion digestion with collagenase. HLStC are separated from the mixture of hepatic sinusoidal MV endothelial cells and Kupffer. The cells are shipped in passage (1-3) in a frozen vial. Liver Stellate Growth Medium (contains 10 % serum and growth supplements, Cat# PB-MH-053-5700) is recommended for cell culture and these cells have a minimum average population doubling capacity levels >8 when cultured following the detailed protocol.

Characterization of the Cells

Vimentin:	positive by immunofluorescence
Alpha smooth muscle actin	negative by immunofluorescence

Initial Seeding Density:	5 x 10 ⁴ cells/cm ²
Seeding Density for subculturing:	5 x 10 ⁴ cells/cm ²

HLStC are negative for HIV-1, HBV, HCV, bacteria, yeast, fungi and mycoplasma.

Handling of Arriving Cells

When you receive the frozen vials, you can keep the frozen vials in a -80°C Freezer for short term storage or in a liquid nitrogen tank for long term storage. When the cells should be seeded please see the following short instructions.

Product Information

Name of Cells: Human Liver Stellate Cells (HLStC) (P3)
Catalogue Number: PB-CH-053-5711-02.5 or PB-CH-053-5711-05

Product Format: cryopreserved
Cell Number: ≥ 2,5 x 10⁵ cells / vial ≥ 5 x 10⁵ cells / vial

Recommended Medium: PB-MH-053-5700-500 Human Liver Stellate Cell Medium (ready-to-use)
PB-MH-053-0000-T50 Human Liver NPC Thawing Medium

HLStC are for research use only.

Although primary cells are tested pathogen-free, investigators should handle these cells with caution and treat all animal cells as potential pathogens, since no test procedure can completely guarantee the absence of infectious agents.