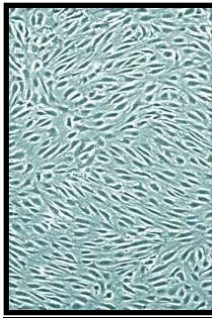


HEPATIC INNOPROFILE™ IMMORTALIZED HUMAN HEPATIC SINUSOIDAL ENDOTHELIAL CELLS



Product Type: Immortalized Hepatic Endothelial Cells

Catalog Number: P10652-IM

Immortalization: SV40 Large T Antigen

Number of cells: > 1 x10⁶ cells in Cryopreserved vials

Storage: Liquid Nitrogen

P10652-IM have been obtained immortalizing Human Primary Hepatic Sinusoidal Endothelial Cells with Lenti-SV40 Lentivirus. Immortalized cells were controlled passaging side by side with the primary cells. Primary cells go into senescence after the 3rd passage while the SV40-transduced cells go beyond 30 passages.

SEC are microvascular endothelial cells with a unique phenotype reminiscent of dendritic cells and a unique function as antigen-presenting cells for CD4+ T cells. Thus, SEC represent a new type of organ-resident "non-professional" antigen-presenting cell that appears to be involved in the local control of the immune response and the induction of immune tolerance in the liver. Primary SEC express well-characterized surface receptors and differ morphologically and metabolically from large-vessel endothelia. It has reported that SEC are dynamic regulators of porosity that respond rapidly and locally to environmental zonal stimuli during liver regeneration.

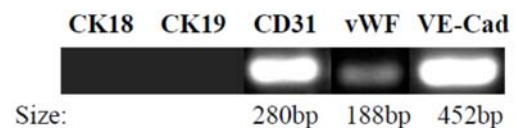
Product Characterization

Positive for:

- vWF/Factor VIII
- CD31 (P-CAM)
- VE Cadherin

Negative for:

- Cytokeratin 18
- Cytokeratin 19



The cells test negative for HIV-1, HBV, HCV, mycoplasma, bacteria, yeast and fungi

Product Use

Sale of this item is subjected to the completion of a Material Transfer Agreement (MTA) by the purchasing individual/institution for each order. If you have any questions regarding this, please contact us at innoprot@innoprot.com