Human Primary Liver Sinusoidal Microvascular Tumor-Associated Endothelial Cells
Catalog No. HC-6017

Suggested Medium
H1168 Complete Endothelial Cell Medium w/ Kit – 500 ml

Product Description
Human Primary Liver Sinusoidal Microvascular Tumor-Associated Endothelial Cells from Cell Biologics are isolated from human liver tumor tissue. These cells are grown in gelatin pre-coated tissue culture flasks with Cell Biologics' Complete Growth Medium and harvested from flasks at passage 3. Each vial contains $0.5x10^6$ cells per ml and is delivered frozen. Cells are characterized by immunofluorescence staining with antibodies of CD31 (Catalog No. 550389, BD), CD31/PECAM-1 (Catalog No. FAB3567P, R&D), VE-Cadherin (FITC-VE-cadherin, Catalog No. 560411, BD), or use of fluorescence-labeled acetylated low-density lipoprotein (DiI-Ac-LDL) uptake (Catalog No. L-35353, Invitrogen), a functional marker for endothelial cells. These cells are negative for bacteria, yeast, fungi, and mycoplasma and can be expanded for 3-5 passages at a split ratio of 1:2 under the cell culture conditions specified by Cell Biologics.

Storage
Cryopreserved cells are shipped with dry ice overnight. Upon arrival, transfer frozen cells to liquid nitrogen (-180°C) immediately until ready for use. Live cell shipment is also available on request. Primary cells can never be kept at -20 °C or -80 °C freezer.

Authorized Uses of Cell Biologics' Products
Human Primary Liver Sinusoidal Microvascular Tumor-Associated Endothelial Cells from Cell Biologics are distributed for research purposes only. Our products are not authorized for human use, for in vitro diagnostic or therapeutic procedures. Transfer or resale of any Cell Biologics' cells or products from the purchaser to other markets, organizations or individuals is prohibited by Cell Biologics without the company's written consent. Cell Biologics' Terms and Conditions must be accepted before submitting an order.

Disclaimer
Investigators should handle the cells with caution and treat all primary cells as potential pathogens, since no test procedure can completely guarantee the absence of infectious agents. The entire text of discussing Biosafety in Microbiological and Biomedical Laboratories, 5th ed. is available online at http://www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Warranty and Liability
Cell Biologics' guarantee applies only to your purchase of Cell Biologics' Cells with Cell Biologics' Media and Coating Solution for appropriate cell culture and cell testing following Cell Biologics' online protocols within 35 days from the date of product delivery.

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