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Human Retinal Microvascular Endothelial Cells

Catalog No:	HEC09
Name of Cells:	Human Retinal Microvascular Endothelial Cells (HRMECs)
Storage:	37°C CO2 incubator
Product Format:	Proliferating culture
Cell Number:	> 90% confluent in T25 flask

* Caution: Handling human derived products is potentially biohazardous. Although each cell strain testes negative for HIV, HBV and HCV DNA, diagnostic tests are not necessarily 100% accurate, therefore, proper precautions must be taken to avoid inadvertent exposure. Always wear gloves and safety glasses when working these materials. Never mouth pipette. We recommend following the universal procedures for handling products of human origin as the minimum precaution against contamination.

General Information:

HRMECs were initiated by elutriation from dissociated normal human retinal tissue. Passage 3 cells are ship in proliferating culture with a confluency of >90 %. ENDO-Growth medium containing 5% serum and growth supplements are recommended for culture. Cells have an average additional population doubling levels >16 when cultured.

Characterization of the cells:

Cytoplasmic VWF / Factor VIII: **>95% positive by immunofluorescence**
Cytoplasmic uptake of Di-I-Ac-LDL: **>95% positive by immunofluorescence**
Cytoplasmic PECAM1 **>95% positive by immunofluorescence**

HRMECs are negative for HIV-1, HBV, HCV, and mycoplasma.

Product Use: HRMECs are for research use only.

Shipping: Proliferating culture in T25 flask.

Handling of Arriving Cells:

When you receive the cells, leave the flask in 37°C CO2 incubator for 1 hour first, and then replace the transport medium with fresh ENDO-Growth medium. Let the cells grow for 24 hour before subculture.