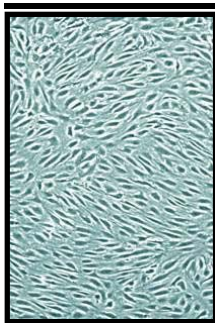


NEUROSCIENCE INNOPROFILE™

IMMORTALIZED HUMAN BRAIN MICROVASCULAR ENDOTHELIAL CELLS



Product Type: Immortalized Brain Endothelial Cells

Catalog Number: P10361-IM

Immortalization: SV40 Large T Antigen

Number of cells: > 1 x10⁶ cells in Cryopreserved vials

Storage: Liquid Nitrogen

P10361-IM have been obtained immortalizing Human Primary Brain Microvascular 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.

The Brain MEC are the major element of the blood-brain barrier and comprise the primary limitation to passage of substances, both soluble and cellular, from the blood into the brain. Brain MEC utilizes unique features that distinguish themselves from those of peripheral endothelial cells. Like peripheral endothelial cells, however, brain MEC express, or can be induced to express, cell adhesion molecules on their surface that regulate the extravasation of leukocytes into the brain. In view of the organ specificity of MEC, Brain MEC has been widely used for studying the molecular and cellular basis of blood-brain barrier.

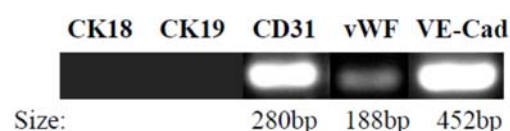
Product Characterization

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