

## Product Description

Microvascular endothelial cells play a central role in inflammation, tumor metastasis, wound healing and tissue engineering [1]. They line the blood vessels and contribute to many biological processes such as hemostasis, coagulation and trafficking of lymphocytes. The endothelial cell is of primary importance in the extravasation of leukocytes from the circulation into sites of tissue inflammation. The structure and function of endothelial cells are differentially regulated in space and time. In the case of prostate cancer, the interactions between prostate cancer cells with endothelial cells in the microvessels play an important role in prostate tumor metastasis. Study results suggest that prostatic endothelial cells may be actively involved in prostate growth, due to the secretion of regulatory factors such as IL-6 [2]

iXCells Biotechnologies provides high quality Human Prostate Microvascular Endothelial Cells (HPMEC), which are isolated from human prostate tissue and cryopreserved at P2, with >0.5 million cells in each vial. HPMEC express vWF/Factor VIII, CD31 (PECAM), and Dil-Ac-LDL by uptake. They are negative for HIV-1, HBV, HCV, mycoplasma, bacteria, yeast, and fungi and can further expand for 10 population doublings in Endothelial Cell Growth Medium (Cat# MD-0010) under the condition suggested by iXCells Biotechnologies.

## Product Details

<b>Tissue</b>	Human prostate tissue
<b>Package Size</b>	0.5 million cells/vial
<b>Passage Number</b>	P2
<b>Shipped</b>	Cryopreserved
<b>Storage</b>	Liquid nitrogen
<b>Growth Properties</b>	Adherent
<b>Media</b>	Endothelial Cell Growth Medium (Cat# MD-0010)

## References

[1] Richard, L., Velasco, P. and Detmar, M. (1998) Isolation and culture of microvascular endothelial cells. *Method in Molecular Medicine* 18:261-269.

[2] Stachon, A., Schlöter, T., Köllner, M., Weisser, H. and Krieg, M. (2001) Primary culture of microvascular endothelial cells from human benign prostatic hyperplasia. *Prostate* 48(3):156-164.

India Contact:

**Life Technologies (India) Pvt. Ltd.**

306, Aggarwal City Mall, Opposite M2K Pitampura,  
Delhi – 110034 (INDIA).

Mobile: +91-9810521400, Ph: +91-11-42208000

Email: [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com)

Web: [www.lifetechindia.com](http://www.lifetechindia.com)