

PRODUCT NAME: Human Umbilical Vein Endothelial Cells, pooled (HUVECP-1M) **Catalogue #:** C-015-10C

Product Information

Description:	Pooled Human Umbilical Vein Endothelial Cells. Cryopreserved primary culture. $\geq 1,000,000$ cells/vial. For Research Use Only.
Lot Number:	1827621
Donor Age:	Newborns
Storage Conditions:	Liquid Nitrogen

Required Testing and Results

Test	Specification	Result
Viable cells per vial	$\geq 1,000,000$	1,480,000
Viability by Trypan Blue exclusion	$\geq 70\%$ viable	90.8%
Growth rate in log phase	Check and record	0.7 pd/day
Long term growth performance in M200 + LSGS	≥ 16 population doublings (pd)	17
Immunofluorescent detection of von Willebrand factor	Positive	Pass
Immunofluorescent detection of CD31 antigen	Positive	Pass
Active uptake of Di-I-AcI-LDL	Positive	Pass
Immunofluorescent detection of α -actin	$\geq 97\%$ Negative	Pass
DNA fluorochrome assay for detection of mycoplasma	Not detected	Pass
Direct culture test for detection of mycoplasma	Not detected	Pass
PCR detection of HIV-1 virus	Not detected	Pass
PCR detection of Hepatitis B virus	Not detected	Pass
PCR detection of Hepatitis C virus	Not detected	Pass
Long-term antibiotic-, antimycotic-free culture for detection of bacteria, yeast and other fungi	Not detected	Pass

Signature: 
Sarah Ritz, Engineer, QA/QC

Date: 20 Jan 2017

The cells in this lot were derived from tissue obtained from accredited institutions. Consent was obtained by these institutions from the donor or the donor's legal next of kin, for use of the tissue and its derivatives for research purposes.

Caution: The user should treat all human cells as potential pathogens. Wear protective clothing and eyewear. Practice appropriate disposal techniques for potentially pathogenic or biohazardous materials.

For research use only. Not intended for human or animal therapeutic or diagnostic use.