

CERTIFICATE OF ANALYSIS

ACBRI 376 Human Brain Microvascular Endothelial Cells
Lot 376.11.04.01.2F
Donor: Male, Pediatric
Cat # NB-11-0016A

Primary Human Brain Microvascular Endothelial Cells are non-hazardous, non-toxic, non-infectious human cells for laboratory research purposes only. Cells are obtained and isolated in the USA. **Cell vials should be stored in liquid nitrogen conditions immediately upon receipt. Please follow Cell Systems optimized protocols for thawing and passaging.**

Donor Tests	Result
HIV Serologic Test (donor level HIV AB EIA)	Negative
HIV PCR Test (frozen cell pool by CLIA Licensed Clinical Lab)	Negative
Hepatitis B (HBV) and Hepatitis C (HCV) PCR Test (at frozen cell level)	Negative
STR Profile Test by American Type Culture Collection (ATCC)	"The submitted sample is human, but not a match for any profile in the ATCC STR database."

Retail Production (P3) Tests	Result
Bacterial Sterility (culture method) by independent lab	PASS
Fungal Sterility (culture method) by independent lab	PASS
Mycoplasma Sterility (PCR method) by independent lab	PASS

Cell Markers and Functional Tests	Result
CD31	> 98% positive by immunofluorescence
VWF / Factor VIII	> 95% positive by immunofluorescence
Uptake of Di-I-Ac-LDL	> 95% positive by immunofluorescence

Cell Vial Metrics	Result
Cell Count	0.91 x 10 ⁶ cells/vial
Cell Viability	88%
Viable Cell Count	0.8 x 10 ⁶ viable cells/vial
Time to Confluence	4 days if 1 vial seeded in T75 flask