

CERTIFICATE OF ANALYSIS

Human Coronary Artery Smooth Muscle Cells
Cat. # NB-11-0018A size: 1x10⁶cells/ml (frozen)
Donor: Male
Lot 443.01.01.01.0M

Primary Human Coronary Artery Smooth Muscle 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 Neo Bioech 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 (culture method) by independent lab	PASS

Cell Markers and Functional Tests	Result
Desmin Intermediate Filaments	> 95% positive by immunofluorescence
Cytoplasmic alpha-Actin Microfilaments	> 95% positive by immunofluorescence
Cytoplasmic uptake of Di-I-Ac-LDL	< 01% by immunofluorescence

Cell Vial Metrics	Result
Cell Count	1.07 x 10 ⁶ cells/vial
Cell Viability	83%
Viable Cell Count	8.89 x 10 ⁵ viable cells/vial
Time to Confluence	3~5 days if 1 vial seeded in T75 flask