



Lifeline Cell Technology Certificate of Analysis

Product Name: Human Skeletal Muscle Cells
Catalog Number: FC-0091
Product Description: Cryopreserved human Skeletal Muscle Cells. Skeletal Muscle Cells are cryopreserved in P3, after isolation from tissue cells are cultured for three passages and then cryopreserved. Vials contain 500,000 cells in one ml cryopreservation solution.
Product Lot Number: 04212
Manufacture Date: SEP2014
Expiration Date: Not applicable when stored at or below -150° C

Product Information

Donor Demographics: Sex: Male Tissue Source: Right Quadriceps Age: New born
 Race: Caucasian Cause of Death: Anencephaly
 Recommended Culture Medium: StemLife Basal Medium, LM-0011 supplemented with:
 StemLife Sk LifeFactor® Kit, LS-1103

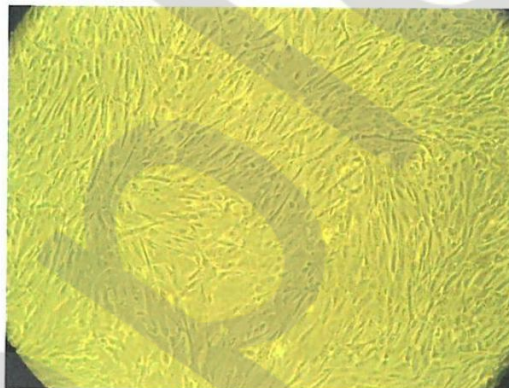
Test	Specifications	Results
Sterility Test (bacteria, yeast and fungi)	negative	negative
Sterility Test, mycoplasma	negative	negative
PCR virus testing:		
Hepatitis B	negative	negative
Hepatitis C	negative	negative
HIV-1 and HIV-2	negative	negative
Viable Cell Count	≥500,000 cells/ml	915,000 cells/ml
Viability (by Trypan Blue Exclusion)	>70% viable	91.0% viable
Cell Growth in StemLife Sk Medium:		
Population Doubling capacity	15 doublings.	20.33 doublings
Cell morphology	normal	normal
Immunophenotype Analysis by Flow Cytometry:		
CD29	>95% positive	99.98% positive
Pax3	>50% positive	65.55% positive
Pax7	>50% positive	79.15% positive
Sox8	>50% positive	97.51% positive
CD56	>50% positive	93.04% positive
CD105	>50% positive	99.87% positive
CD31	<5% positive	0.26% positive
CD45	<5% positive	0.22% positive
Characterization:		
Multinucleated fused cells	positive	positive
Desmin (Immunofluorescence)	for information only	positive

To place an order call Lifeline technical and customer service at (877) 845-7787 or you may submit an order form by fax to (443) 393-0393. Order form available on line at www.lifelinecelltech.com/order.



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Picture of P₆ SkMC lot# 04212 cultured in StemLife Sk complete medium, day 8 in culture from an inoculation of 2,500 cells/cm².



Quality Control: Jeremy Hammond November 29, 2018

Jeremy Hammond, QC Director, Lifeline Cell Technology

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