

MyoLife™ Complete Myogenesis Differentiation Medium Specification Sheet



MyoLife Complete Myogenesis Differentiation Medium

MyoLife Complete Myogenesis Differentiation Medium is a new medium optimized for the differentiation of human skeletal muscle satellite cells into fused multinucleated myotubules.

MyoLife contains no antimicrobials, and no phenol red. Antimicrobials are not required, but are recommended during differentiation due to the duration of culture and the frequency of handling of the cultures. Antimicrobials and phenol red may be purchased separately from Lifeline.

MyoLife Differentiation Medium Components

MyoLife is offered as a convenient and easy to use, fully-supplemented complete medium; stored frozen to extend shelf life.

Product	Part No.	Volume	Final Concentration in Supplemented Medium	Storage
MyoLife Complete Myogenesis Differentiation Medium	LM-0056	100 mL	2% (v/v) Horse serum 10 mM L-Glutamine	-20°C or 2-8°C once thawed

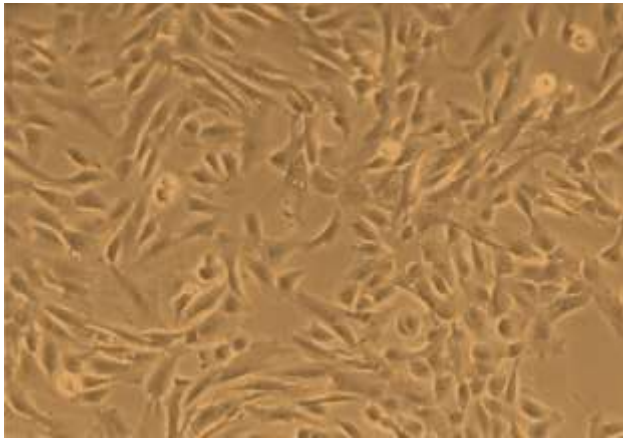
Other Recommended Products	Part No.	Unit	Components	Storage
Human Skeletal Muscle Satellite Cells	FC-0091	500,000 cells		-150°C
StemLife™ Sk Medium Complete Kit	LL-0069	Kit	StemLife Basal Medium StemLife Sk LifeFactors® Kit	2-8°C when prepared
Antimicrobial Supplement: Gentamicin and Amphotericin B (Provided with purchase of LL-0069)	LS-1104	0.5 mL	Gentamicin 30 µg/mL Amphotericin B 15 ng/mL	-20°C
TrypKit™	LL-0013	Kit	PBS 0.05% Trypsin/0.02% EDTA Trypsin Neutralizing Solution	RT -20°C -20°C
Optional Supplements	Part No.	Volume	Concentrations of Supplement	Storage
Phenol Red Supplement	LS-1009	1 mL	33 mM	RT

Quality Testing for Guaranteed Consistency and Reproducible Results

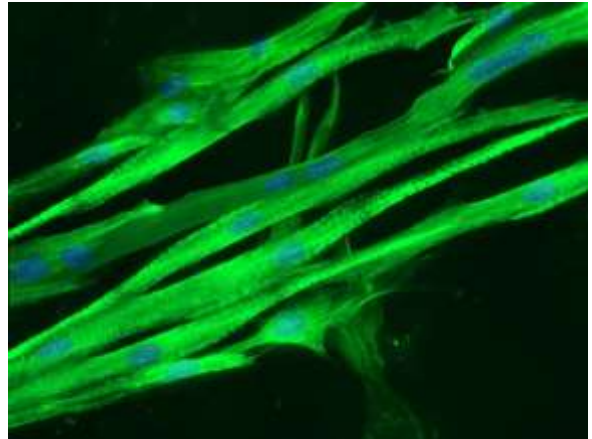
Lifeline Cell Technology manufactures products using the highest quality raw materials and incorporates ISO style quality assurance in every production run. Exacting standards and production procedures ensure lot-to-lot consistency. Every production lot of MyoLife Complete Myogenesis Differentiation Medium is extensively tested using human skeletal muscle satellite cells.

- Sterility Testing Negative for bacteria and fungal growth
- pH 7.8 +/- 0.3
- Cell Testing Differentiation of SkMC
- Osmolality 270 +/- 15 mOsm
- Endotoxin < 5 EU/mL

To place an order, please visit lifelinecelltech.com or call technical and customer service at 877.845.7787.



HSkMC, passage 4, 4 days after inoculation
with 5,000 cells/cm² (100X)



HSkMC, 10 days post-differentiation and stained for
Sarcomere (a myogenic marker, green) with
DAPI (a nuclear counter stain, blue) (400X)

MyoLife™ Complete Myogenesis Differentiation Medium differentiates normal human skeletal muscle satellite cells into fused multinucleated myotubules.

The Lifeline® Guarantee

Lifeline's rigorous quality control ensures sterility and performance to standardized testing criteria. Upon request, Lifeline will provide lot-specific QC test results, material safety data sheets and certificates of analysis. See complete guarantee/warranty statement at lifelinecelltech.com or contact your Lifeline representative for more information.

Safety Statement

This product is for Research Use Only. This product is not approved for human or veterinary use, or for use in *in vitro* diagnostics or clinical procedures.

Call Lifeline Technical Service and Sales at 877.845.7787
or visit lifelinecelltech.com for more information

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