

## Lifeline Cell Technology Certificate of Analysis

**Product Name:** 

**Bone Marrow Derived Mesenchymal Stem Cells** 

Catalog Number:

FC-0057

**Product Description:** 

Cryopreserved human bone marrow derived mesenchymal stem cells

(BM MSC). Bone marrow derived mesenchymal stem cells are

cryopreserved in P2, after isolation from tissue cells are cultured for two passages and then cryopreserved. Vials contain 1,000,000 cells in one ml

cryopreservation solution.

Product Lot Number: Manufacture Date:

03016

JAN2013

**Expiration Date:** 

Not applicable when stored at or below -150° C

## **Product Information**

Age: 31 years Race: Caucasian

Recommended Culture Medium:.....StemLife MSC Basal Medium, LM-0011, supplemented with

StemLife MSC-BM LifeFactors Kit, LS-1090

Test	Specifications	Results	
Sterility Test, bacteria and yeast	negative	negative	
Sterility Test, mycoplasma	negative	negative	
PCR virus testing:		2	
Hepatitis B	negative	negative	
Hepatitis C	negative	negative	
HIV-1 & HIV-2	negative	negative	
Viable Cell Count:	≥1,000,000 cells/ml	1,160,000 cells/ml	
Viability (by Trypan Blue Exclusion):	>70% viable	92% viable	
Immunophenotype Analysis by Flow Cytome	etry		
CD29, CD44, CD90, CD105, CD166, CD	73 >95% positive	>95% positive	
CD14, CD31, CD34, CD45	<2% positive	<2% positive	
Undifferentiated Cell Growth in StemLife MS	SC-BM Complete Medium:		
3 passages growth from cryopreservation	pass test	pass	
Cell morphology	normal	normal	

Picture of undifferentiated P<sub>4</sub> Bone Marrow Derived Mesenchymal Stem Cells lot 03016, pictured on day 6.

Quality Control:

Jereny Harmond

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Jeremy Hammond, QC Director Lifeline Cell Technology

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 <a href="https://www.lifelinecelltech.com/order">www.lifelinecelltech.com/order</a>.