

Certificate of *Analysis*



Client:

Cellgenic

Datran Center 9100 S Dadeland Boulevard,
Suite 1500. Miami Fl. 33156 United States.
Email: info@stemcellsgroup.com
Phone: +1 305 560 5337

Amino acid sequence (MOTS-C)

Met-Arg-Trp-Gln-Glu-Met-Gly-Ser-Arg-Gln-Arg-Arg-Ala-Ala-Ser-Gly

Sample Identification

Sample Name	MOTS-C 20 mg	Batch Number	MC2020-01	Date Published	12-MAR-2026
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Results for MC2020-01 MOTS-C

Analysis of Peptide Identity, Content and Purity	ResultUnit	Uncertainty	Reporting Limit
MOTS-C Assay <i>Peptide Screening</i>	20.36 mg	[± 0.10]	
MOTS-C Identification by RT <i>Peptide Screening</i>	0.989	[± 0.005]	
MOTS-C Identification by spectrum <i>Peptide Screening</i>	993	[± 10]	
MOTS-C Purity <i>Peptide Screening</i>	99.2 %	[± 0.5]	

Bioburden	ResultUnit	Uncertainty	Reporting Limit
Total Aerobic Microbial Count <i>USP <61> Plate Count Method</i>	Not detected CFU/g		>= 1000 Δ
Total Yeast and Mold Count <i>USP <61> Plate Count Method</i>	Not detected CFU/g		>= 100 Δ

Endotoxin Analysis	ResultUnit	Uncertainty	Reporting Limit
Bacterial Endotoxin <i>USP<85> Bacterial Endotoxin Chromogenic Test</i>	< 0.001 EU/mg		> 0.5 Δ

Heavy Metals	ResultUnit	Uncertainty	Reporting Limit
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Quality Assurance

SIGNED CERTIFICATION

Analysis results relate only to the samples tested.

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Edwin Hoag

Edwin Hoag, MD, PhD

Inspecting QA/QC Manager · Cellgenic Laboratories



Datran Center · 9100 S Dadeland Boulevard, Suite 1500 · Miami, FL 33156 · United States
info@stemcellsgroup.com · +1 305 560 5337 · cellgenic.com

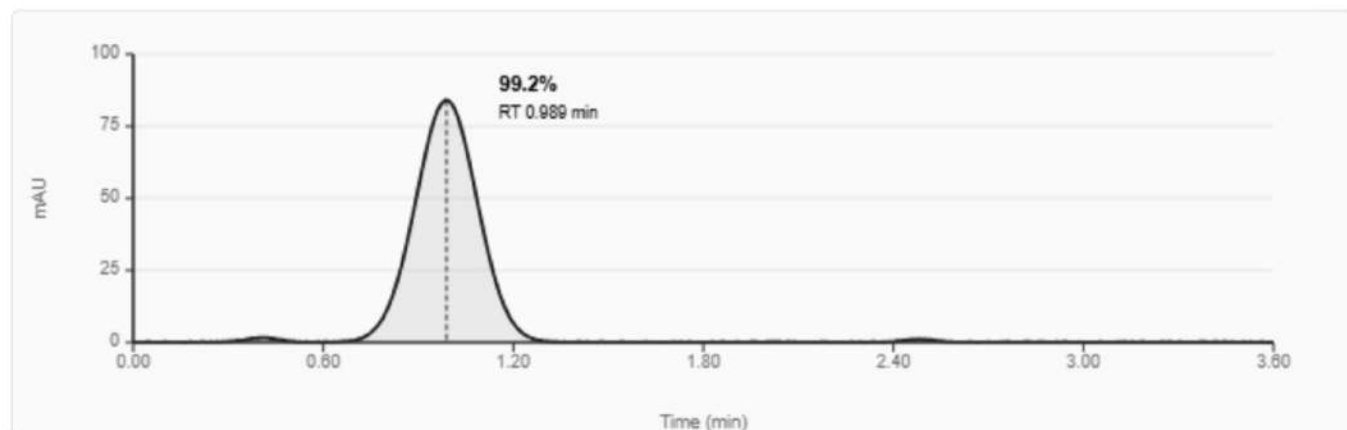
Analysis Dashboard

**MOTS-C**

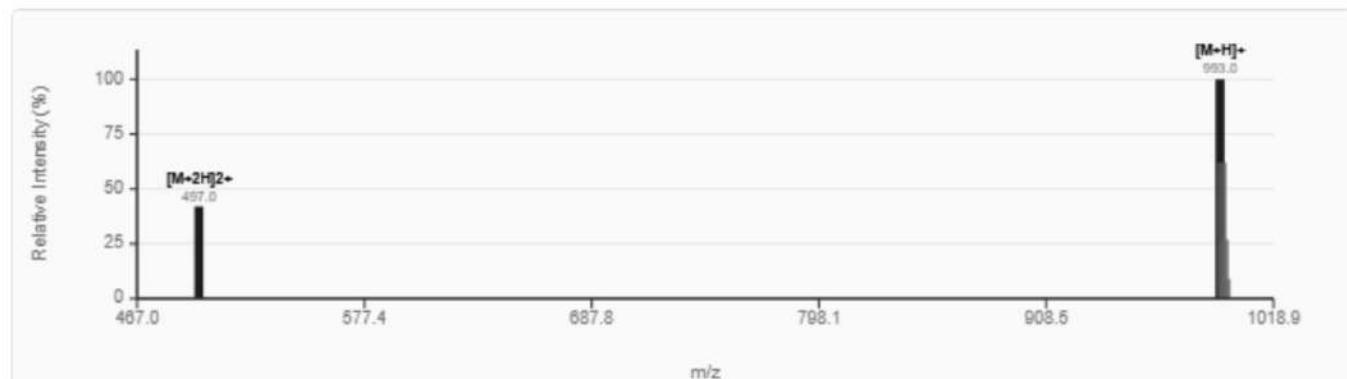
• Batch: MC2020-01 • 12-MAR-2026

HPLC Chromatogram

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY • PURITY ANALYSIS

Column: C18, 250×4.6 mm, 5μm Mobile phase: H₂O/ACN + 0.1% TFA Detection: UV 220 nm RT: 0.989 min Purity: 99.2%**Mass Spectrum**

ELECTROSPRAY IONIZATION MASS SPECTROMETRY • IDENTITY CONFIRMATION



Ionization: ESI+, positive mode Instrument: LC-MS/MS Observed: 993 m/z Identity: Confirmed ✓