

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 (LL-37)

Leu-Leu-Gly-Asp-Phe-Phe-Arg-Lys-Ser-Lys-Glu-Lys-Ile-Gly-Lys-Glu-Phe-Lys-Arg-Ile-Val-Gln-Arg-Ile-Lys-Asp-Phe-Leu-Arg-Asn-Leu-Val-Pro-Arg-Thr-Glu-Ser

Sample Identification

Sample Name	LL-37 5 mg	Batch Number	LL30520-01	Date Published	28-APR-2026
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Results for LL30520-01 LL-37

Analysis of Peptide Identity, Content and Purity	ResultUnit	Uncertainty	Reporting Limit
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LL-37 Assay <i>Peptide Screening</i>	5.04 mg	[± 0.03]	
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LL-37 Identification by RT <i>Peptide Screening</i>	1.001	[± 0.005]	
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LL-37 Identification by spectrum <i>Peptide Screening</i>	4490	[± 10]	
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LL-37 Purity <i>Peptide Screening</i>	99.9 %	[± 0.4]	
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Bioburden	ResultUnit	Uncertainty	Reporting Limit
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Total Aerobic Microbial Count <i>USP <61> Plate Count Method</i>	Not detected CFU/g		>= 1000 Δ
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Total Yeast and Mold Count <i>USP <61> Plate Count Method</i>	Not detected CFU/g		>= 100 Δ
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Endotoxin Analysis	ResultUnit	Uncertainty	Reporting Limit
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Bacterial Endotoxin <i>USP<85> Bacterial Endotoxin Chromogenic Test</i>	< 0.001 EU/mg		> 0.5 Δ
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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

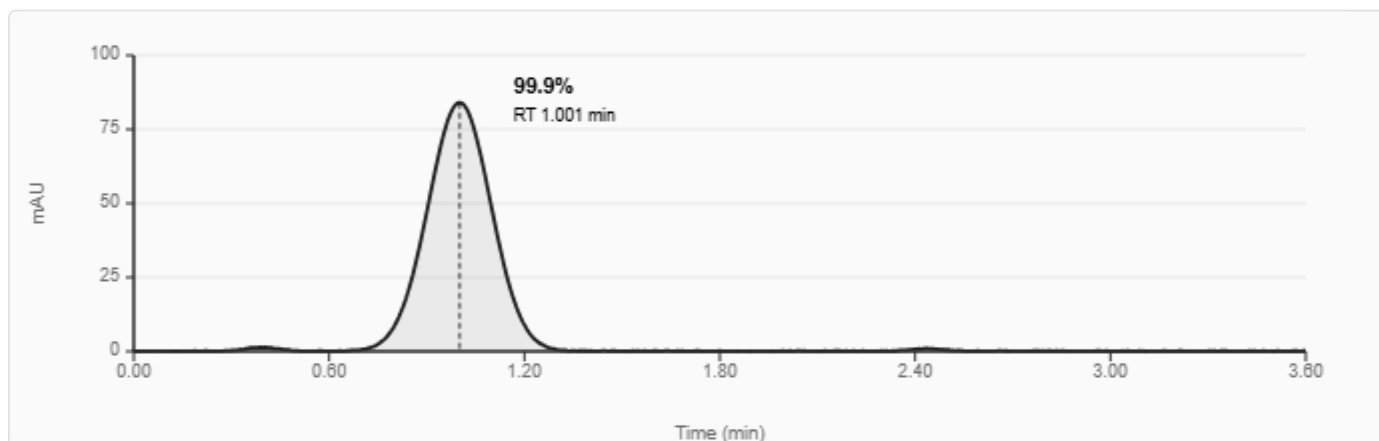
Analysis Dashboard

LL-37

• Batch: LL30520-01 • 28-APR-2026

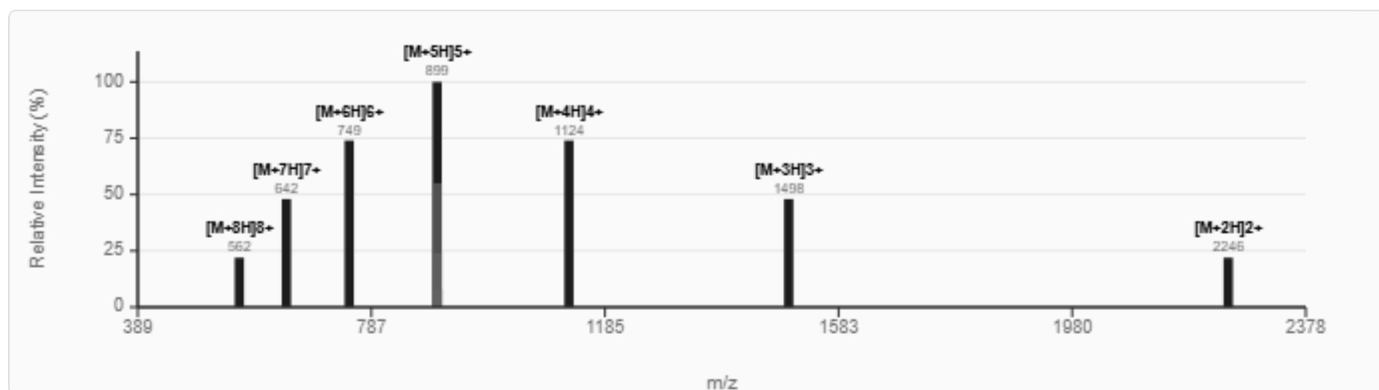
HPLC Chromatogram

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY • PURITY ANALYSIS

Column: C18, 250x4.6 mm, 5µm Mobile phase: H₂O/ACN + 0.1% TFA Detection: UV 220 nm RT: 1.001 min Purity: 99.9%

Mass Spectrum

ELECTROSPRAY IONIZATION MASS SPECTROMETRY • IDENTITY CONFIRMATION



Ionization: ESI+, positive mode Instrument: LC-MS/MS Observed: 4490 m/z Identity: Confirmed ✓