



Analytical Resource Laboratories

47-2854223
520 South 850 East, Suite B3
Lehi, UT 84043
801-847-7722
www.analyticalresource.com
info@yourqualitylab.com

Certificate of Analysis

Client Information

SilverCeuticals Inc
4699 Wasatch Drive
Highland, UT
84003 USA
801-361-5900

Sample Information

ARL ID: 622777
Date Received: 8/23/2022
Description: 32ppm Gel
Lot#: 080622

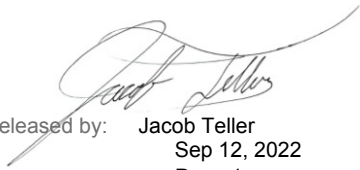
Analysis	Method	[†] MDL / LOQ	Specification	Results	UOM	Lab ID
USP 51 PET: Custom	USP <51>					1
Organism: Staphylococcus aureus ATCC 6538						1
PET Suitability: S aureus	USP <51>	Pass/Fail	NLT 50% Saline	**Suitable		1
Initial Concentration: S. aureus	USP <51>			3.0x10 ³	cfu's/g	1
15 Minute Counts: S. aureus	USP <51>	10	Record Only	< 1,000	cfu's/g	1
Hour 1 Counts: S. aureus	USP <51>	10	Record Only	< 1,000	cfu's/g	1
Hour 4 Counts: S. aureus	USP <51>	10	Record Only	< 1,000	cfu's/g	1
Day 1 Counts: S. aureus	USP <51>	10	Record Only	< 1,000	cfu's/g	1
15 Minute Log Reduction: S. aureus	USP <51>	0.1	Record Only	> 0.5	Log Reduction	1
Hour 1 Log Reduction: S. aureus	USP <51>	0.1	Record Only	> 0.5	Log Reduction	1

**Plating method suitable at a 1:1,000 dilution

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[†]**Method Detection Limit (MDL):** In microbiological testing, this is the minimum level of growth that can be detected with confidence. If a result is reported as "None detected", it means any visible growth was below this limit. **Limit of Quantitation (LOQ):** In analytical chemistry testing, this is the minimum level of the desired analyte that can be quantified with confidence. If a result is reported as less than LOQ, it means any detected amount was too small to report an exact number.

* Under accreditation number 77504, ARL is an ISO/IEC 17025:2017 Accredited Laboratory. Uncertainty data for ISO-scoped methods is available upon request. Certificate and scope are also available upon request.

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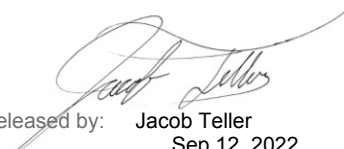
Analysis	Method	[†] MDL / LOQ	Specification	Results	UOM	Lab ID
Hour 4 Log Reduction: S. aureus	USP <51>	0.1	Record Only	> 0.5	Log Reduction	1
Day 1 Log Reduction: S. aureus	USP <51>	0.1	Record Only	> 0.5	Log Reduction	1
						1
Organism: Escherichia coli ATCC 8739						1
PET Suitability: E. coli	USP <51>	Pass/Fail	NLT 50% Saline	Suitable		1
Initial Concentration: E. coli	USP <51>			6.0x10 ⁴	cfu's/g	1
15 Minute Counts: E. coli	USP <51>	10	Record Only	9,500	cfu's/g	1
Hour 1 Counts: E. coli	USP <51>	10	Record Only	< 10	cfu's/g	1
Hour 4 Counts: E. coli	USP <51>	10	Record Only	< 10	cfu's/g	1
Day 1 Counts: E. coli	USP <51>	10	Record Only	< 10	cfu's/g	1
15 Minute Log Reduction: E. coli	USP <51>	0.1	Record Only	0.8	Log Reduction	1

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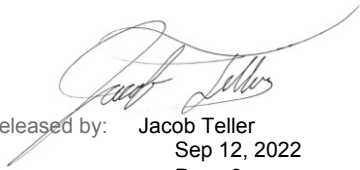
Analysis	Method	[†] MDL / LOQ	Specification	Results	UOM	Lab ID
Hour 1 Log Reduction: E. coli	USP <51>	0.1	Record Only	> 3.8	Log Reduction	1
Hour 4 Log Reduction: E. coli	USP <51>	0.1	Record Only	> 3.8	Log Reduction	1
Day 1 Log Reduction: E. coli	USP <51>	0.1	Record Only	> 3.8	Log Reduction	1
						1
Organism: Pseudomonas aeruginosa ATCC 9027						1
PET Suitability: P. aeruginosa	USP <51>	Pass/Fail	NLT 50% Saline	Suitable		1
Initial Concentration: P. aeruginosa	USP <51>			3.3x10 ⁵	cfu's/g	1
15 Minute Counts: P. aeruginosa	USP <51>	10	Record Only	< 10	cfu's/g	1
Hour 1 Counts: P. aeruginosa	USP <51>	10	Record Only	< 10	cfu's/g	1
Hour 4 Counts: P. aeruginosa	USP <51>	10	Record Only	< 10	cfu's/g	1

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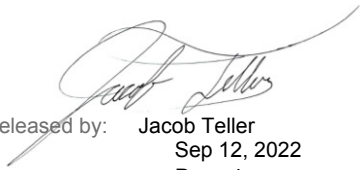
Analysis	Method	[†] MDL / LOQ	Specification	Results	UOM	Lab ID
Day 1 Counts: P. aeruginosa	USP <51>	10	Record Only	< 10	cfu's/g	1
15 Minute Log Reduction: P. aeruginosa	USP <51>	0.1	Record Only	> 4.5	Log Reduction	1
Hour 1 Log Reduction: P. aeruginosa	USP <51>	0.1	Record Only	> 4.5	Log Reduction	1
Hour 4 Log Reduction: P. aeruginosa	USP <51>	0.1	Record Only	> 4.5	Log Reduction	1
Day 1 Log Reduction: P. aeruginosa	USP <51>	0.1	Record Only	> 4.5	Log Reduction	1
Organism: Candida albicans ATCC 10231						1
PET Suitability: C. albicans	USP <51>	Pass/Fail	NLT 50% Saline	Suitable		1
Initial Concentration: C. albicans	USP <51>			3.3x10 ³	cfu's/g	1
15 Minute Counts: C. albicans	USP <51>	10	Record Only	< 10	cfu's/g	1
Hour 1 Counts: C. albicans	USP <51>	10	Record Only	< 10	cfu's/g	1

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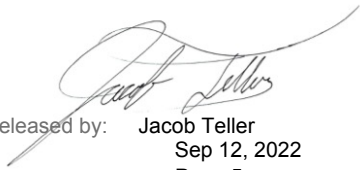
Analysis	Method	[†] MDL / LOQ	Specification	Results	UOM	Lab ID
Hour 4 Counts: C. albicans	USP <51>	10	Record Only	< 10	cfu's/g	1
Day 1 Counts: C. albicans	USP <51>	10	Record Only	< 10	cfu's/g	1
15 Minute Log Reduction: C. albicans	USP <51>	0.1	Record Only	> 2.5	Log Reduction	1
Hour 1 Log Reduction: C. albicans	USP <51>	0.1	Record Only	> 2.5	Log Reduction	1
Hour 4 Log Reduction: C. albicans	USP <51>	0.1	Record Only	> 2.5	Log Reduction	1
Day 1 Log Reduction: C. albicans	USP <51>	0.1	Record Only	> 2.5	Log Reduction	1
						1
Organism: Aspergillus brasiliensis ATCC 16404						1
PET Suitability: A. brasiliensis	USP <51>	Pass/Fail	NLT 50% Saline	Suitable		1
Initial Concentration: A. brasiliensis	USP <51>			7.0x10 ⁴	cfu's/g	1

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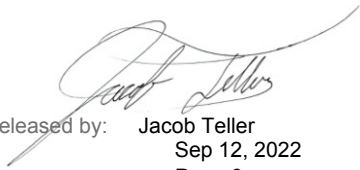
Analysis	Method	[†] MDL / LOQ	Specification	Results	UOM	Lab ID
15 Minute Counts: A. brasiliensis	USP <51>	10	Record Only	< 10	cfu's/g	1
Hour 1 Counts: A. brasiliensis	USP <51>	10	Record Only	< 10	cfu's/g	1
Hour 4 Counts: A. brasiliensis	USP <51>	10	Record Only	200	cfu's/g	1
Day 1 Counts: A. brasiliensis	USP <51>	10	Record Only	< 10	cfu's/g	1
15 Minute Log Reduction: A. brasiliensis	USP <51>	0.1	Record Only	> 3.8	Log Reduction	1
Hour 1 Log Reduction: A. brasiliensis	USP <51>	0.1	Record Only	> 3.8	Log Reduction	1
Hour 4 Log Reduction: A. brasiliensis	USP <51>	0.1	Record Only	2.5	Log Reduction	1
Day 1 Log Reduction: A. brasiliensis	USP <51>	0.1	Record Only	> 3.8	Log Reduction	1

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