

Aerosol Research and Engineering Laboratories Inc.

Certificate of Analysis

This certificate of analysis is for testing completed using the **Tadiran Air Care O₂**. The testing certifies that the Tadiran Air Care device shows high efficacy at reduction of aerosolized methicillin resistant *Staphylococcus epidermidis* in a bioaerosol test chamber.

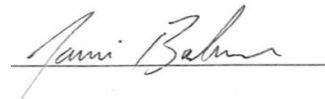
Testing Results

Staphylococcus epidermidis Trial Summary Data

Bioaerosol Type	Species (description)	Trial Name	Reduction Type	Trial Time (minutes)				
				30	60	90	120	150
Bacteria	<i>Staphylococcus epidermidis</i>	Staph-T1	Net Log Reduction	-1.63	-2.38	-2.72	-3.85	-4.46
			Net % Reduction	97.6465%	99.5831%	99.8099%	99.9859%	99.9965%
Bacteria	<i>Staphylococcus epidermidis</i>	Staph-T2	Net Log Reduction	-2.23	-2.56	-3.22	-4.17	-4.58
			Net % Reduction	99.4073%	99.7250%	99.9404%	99.9932%	99.9974%
Bacteria	<i>Staphylococcus epidermidis</i>	Staph-T3	Net Log Reduction	-2.14	-2.52	-3.47	-4.04	-4.69
			Net % Reduction	99.2770%	99.7010%	99.9663%	99.9908%	99.9980%
All Trial Averages			Net Log Reduction	-2 +/- 0.32	-2.49 +/- 0.1	-3.14 +/- 0.38	-4.02 +/- 0.16	-4.58 +/- 0.12
			Net % Reduction	98.7769% +/- 0.9812%	99.6697% +/- 0.076%	99.9055% +/- 0.0839%	99.99% +/- 0.0037%	99.9973% +/- 0.0007%

Conclusion

The Tadiran Air Care O₂ demonstrated efficacy at reducing methicillin resistant *Staphylococcus epidermidis* in the air.



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ARE Labs, Inc.

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Date

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