airocide® SYSTEMS

FLORIDA HOSPITAL COMPOUNDING PHARMACY

The Proven Efficacy of the Airocide Mobile

VIABLE REDUCTION IN PHARMACY COMPOUNDING AREAS

SITUATION

Maintaining optimum air quality is a critical requirement in pharmaceutical compounding areas to comply with regulatory standards and ensure the safety and efficacy of compounded preparations. The Airocide Mobile has been recognized in air sampling reports as a viable solution to address concerns regarding airborne viables in compounding pharmacies. Currently, over 1,000 hospitals nationwide have implemented the S400 to optimize their air quality.

TECHNOLOGY

The Airocide Mobile's portable medical-grade air-purification system uses a proprietary 3-stage technology to effectively destroy airborne microorganisms.

- Medical Grade HEPA Filter: Captures a large volume of airborne contaminants.
- Active Carbon Substrata: Captures and suspends particulates that move past the HEPA filter, and facilitates VOC removal.
- UV-C 254nm Bulbs: Inactivate and destroy microscopic pathogens.

PERFORMANCE METRICS

The Airocide Mobile's digital display provides real-time data on in-room airflow and quality, crucial for monitoring and maintaining clean room standards. It has displayed its capability to significantly reduce viable and non-viable particulates in the air and on surfaces.

EASE OF IMPLEMENTATION

The Airocide Mobile requires no installation, ensuring a seamless integration into the existing infrastructure of healthcare settings, including compounding pharmacies.

IMAPCT

Key hospitals have trialed the Airocide Mobile and successfully transitioned their compound pharmacy areas from ISO 8 to ISO 7 or higher by reducing air and surface viables. The pre- and post-trial certification reports displayed a remarkable improvement in particle count locations, viable sampling, and actionable microorganisms, affirming the Airocide Mobile efficacy.

CONCLUSION

The Airocide Mobile presents a robust solution for compounding pharmacies aiming to enhance air quality and achieve compliance with USP 797 and ISO certification standards, thereby contributing to better patient safety and overall pharmaceutical care quality.

PROTECT

Safeguard against the dangers of spreading viruses and other harmful pathogens.

PREVENT

Halt viruses and other pathogens from spreading further.

PREPARE

Successfully battle the daily dangers of infections, COVID-19, and whatever else may come down the road.

airocide® SYSTEMS

SEPTEMBER 2018 ~ FLORIDA HOSPITAL COMPOUNDING PHARMACY
USES AIROCIDE MOBILE TO PASS REQUIREMENTS FOR USP797~ CAG~009.

Testing Before Airocide Mobile

AeroMetric 797 Results Summary Sheet

Sample location	Class	Pass	Acpt	O.O.C	Cause
1A I.V. Room	7				
2A Passthrough #1 (Double Interlock)	7				
3A Ante Room	7				
4A Ante Room	7				
5A Passthrough #2 (Double Interlock)	8				
6A Chemo Room	7				
7A BVBI-6SS-RX {S#6S-15-BVBI-16574)	5				
8A BZ-655-RX (65-15-BH-16573)	5				
9A NV-425-400 (105725041106	5				
1B I.V. Room	7				
2B Pssthrough #1 (Double Interlock)	7				
3B Ante Room	7				
4B Ante Room	7				Maximum cont for Class 7 exceeded
5B Passthrough #2 (Double Interlock)	8				
6B Chemo Room	7				Maximum cont for Class 7 exceeded
7B BVBI-6SS-RX(S#6S-15-BVBI-16574}	5				
8B Z-6SS-RX (6S-15-BH-16573)	5				
9B NV-425-400(105725041106)	5				

FAILED

No growth of microorganisms. Sample in compliance with USP 797 and CAG-009.

Growth of microorganisms. Sample in compliance with USP 797 and CAG-009 .

O.O.C. - Out of Compliance. Unacceptable concentrations or presence of actionable microorganisms. Sample not in compliance wh USP 797 and CAG-009.

SAMPLE #4B Ante Room FAIL

Lab Sample #: **18021805-013**

Sample Location : Client Sample# 4B

Test: 1108, USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2 Positive Hole
Corrected Result: 2 CFU/m3

Organism(s) Isolated : **Bacillus species Non-sporulating colony**

Raw Count	CFU/m³	% TOTAL	MRL
1	1	50	1
1	1	50	1
2	2	~100%	

Sample was incubated for **7days at 26 °C**

Bacteria colonies counted on MEA plate per client request.

Positive Hole: 300 Air Volume: 1000 (L) MRL: 1

COMMENTS **O.O.C. 2 CFU/m³**

SAMPLE #6B Chemo Room FAIL

Lab Sample #: **18021805-015**

Sample Location : Client Sample# 6B

Test: 1108, USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2 Positive Hole
Corrected Result: 1 CFU/m3

Organism(s) Isolated : **Aspergillus flavus**

Raw Count	CFU/m³	% TOTAL	MRL
1	1	50	1
			1
1	1	~100%	

Sample was incubated for **7days at 26 °C**

Bacteria colonies counted on MEA plate per client request.

Positive Hole: 300 Air Volume: 1000 (L) MRL: 1

COMMENTS **O.O.C. 1 CFU/m³**

airocide® SYSTEMS

SEPTEMBER 2018 ~ FLORIDA HOSPITAL COMPOUNDING PHARMACY
USES AIROCIDE MOBILE TO PASS REQUIREMENTS FOR USP79 7~ CAG~009.

Testing After Airocide Mobile

Sample location	Class	Pass	Acpt	O.O.C	Cause
1A I.V. Room	7				
2A Passthrough #1 (Double Interlock)	7				
3A Ante Room	7				
4A Ante Room	7				
5A Passthrough #2 (Double Interlock)	8				
6A Chemo Room	7				
7A BVBI-6SS-RX {S#6S-15-BVBI-16574)	5				
8A BZ-655-RX (65-15-BH-16573)	5				
9A NV-425-400 (105725041106	5				
1B I.V. Room	7				
2B Pssthrough #1 (Double Interlock)	7				
3B Ante Room	7				
4B Ante Room	7				No growth of microorganisms. Compliance with USP 797 and CAG-009
5B Passthrough #2 (Double Interlock)	8				
6B Chemo Room	7				No growth of microorganisms. Compliance with USP 797 and CAG-009
7B BVBI-6SS-RX(S#6S-15-BVBI-16574}	5				
8B Z-6SS-RX (6S-15-BH-16573)	5				
9B NV-425-400(105725041106)	5				

PASSED

No growth of microorganisms. Sample in compliance with USP 797 and CAG-009.

SAMPLE #4B Ante Room — PASS

Lab Sample #: **18026208-001 (Lot# 118206)**

Sample Location : Client Sample# 4B
Test: 1108, USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2
Positive Hole Corrected Result: **NO GROWTH**
Sample was incubated for **7days at 26 °C** Bacteria colonies counted on MEA plate per client request.
Positive Hole: 300 Air Volume: 1000 (L) MRL: 1

COMMENTS No Growth

SAMPLE #6B Chemo Room — PASS

Lab Sample #: **18026208-002 (Lot# 118206)**

Sample Location : Client Sample# 6B
Test: 1108, USP 797 Culture, Air, Fungal Counts with ID: SOP 3.2
Positive Hole Corrected Result: **NO GROWTH**
Sample was incubated for **7days at 26 °C** Bacteria colonies counted on MEA plate per client request.
Positive Hole: 300 Air Volume: 1000 (L) MRL: 1

COMMENTS No Growth