



MycoFog® FAQ & Troubleshooting Guide

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MycoFog® FAQ & Troubleshooting Guide

General Questions

1. What is MycoFog® ?

MycoFog® is an advanced biodecontamination system that uses hydrogen peroxide (H₂O₂) fogging to eliminate microbial contamination from incubators, workstations, and other enclosed spaces.

2. What reagents can I use with MycoFog® ?

MycoFog® H₂O₂ reagents (our approved reagent for optimal performance). See below:

Reagent and Optimal Volume	Part Number
MycoFog® reagent, 4 bottles + 4 wicks. For Incubators / Workstations <200L	MFR-1Bx-K
MycoFog® reagent, 4 bottles + 4 wicks. For Incubators / Workstations <350L	MFR-2Bx-K
MycoFog® reagent, 2 bottles + 2 wicks. For Incubators / Workstations >350L and <500L	MFR-3Bx-K
MycoFog® reagent, 2 bottles + 2 wicks. For Incubators / Workstations >500L and <700L	MFR-4Bx-K
MycoFog® reagent, 2 bottles + 2 wicks. For Incubators / Workstations >700L and <1000L	MFR-5Bx-K
MycoFog® reagent, 2 bottles + 2 wicks. For Incubators / Workstations >1000L and <1200L	MFR-6Bx-K



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Other compatible H₂O₂ solutions can be used (but please ensure proper concentration and purity). Please note that MycoFog® has not validated other H₂O₂ formulations for use with the MycoFog® instrument, so at this time we do not have supporting data except for the MycoFog® reagent.

3. How often should I perform a MycoFog® decontamination cycle?

For optimal contamination control, we recommend performing a MycoFog® cycle once per month per incubator.

Setup & Operation

4. How do I prepare MycoFog® for a decontamination cycle?

- A. Ensure your Incubator is clean! The MycoFog® biodecontamination process complements cleaning but does not replace cleaning. Please consult your incubator operating manual for the manufacturer's cleaning protocol
- B. Ensure the incubator is empty (remove cultures, labware, and water pans).
- C. Set the temperature to 45°C (or use the 37°C protocol for 4 hours).
- D. Disable gas control (CO₂ and humidity settings).
- E. Place MycoFog® at mid-level inside the incubator for optimal fog distribution.
- F. Press the function button to start the cycle.

5. How long does the MycoFog® cycle take?

Standard Cycle: 180 minutes at 45°C

37°C Protocol: 4 hours for <200L chambers, 5 hours for larger chambers



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6. Can I use MycoFog® in large incubators?

Yes! There are 2 Instrument models of MycoFog® to choose from:

Model Number	Optimal Volume
Model MF-2D	for Incubators / Workstations up to <500L internal volume
Model MF-500D	for Incubators / Workstation >500L but <1200L internal volume

MycoFog® reagents come in 6 different pack sizes, each reagent formulation is designed for a size of Incubator/Glovebox/Workstation:

Order the correct MycoFog® Reagent pack for your Instrument (see Table Below)

Choose the right MycoFog® products and Reagents			
Incubator or Workstation to be decontaminated Internal Vol (L)	MycoFog® Instrument needed	MycoFog® Reagent Kit Part Number needed	MycoFog® Starter Kit Part Number needed
<200L	MF-2D	MF-1Bx-K	MF-2D-SK-1Bx
>200L<350L		MF-2Bx-K	MF-2D-SK-2Bx
>350L<500L		MF-3Bx-K	MF-2D-SK-3Bx
>500 <700L	MF-500D	MFR-4Bx-K	MF-500D-SK-4Bx
>700 < 1000L		MFR-5Bx-K	MF-500D-SK-5Bx
>1000L <1200L		MFR-6Bx-K	MF-500D-SK-6Bx



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7. What is the recommended relative humidity before starting a cycle?

MycoFog® works best when the incubator's starting relative humidity is ambient. The device achieves proper humidity during the cycle.

8. Can I use MycoFog® in an incubator that contains powered electronics?

Yes. MycoFog® has been tested with electronic devices such as the Etaluma Lumascope and the Sartorius Incucyte which perform normally after repeated decontamination cycles.

9. MycoFog® Instruments now come with a delayed start function

The new D-series MycoFog® instruments (MF-2D and MF-500D) include the following two key safety enhancements:

****Press + Hold to Initiate****: Instead of a short press, the decontamination cycle now requires a 1.5-second hold on the function button. This reduces the chance of inadvertently starting vaporization.

****12-Second Delayed Start****: After initiating the cycle, the instrument waits 12 seconds before H₂O₂ vaporization begins. The indicator light flashes slowly for 7 seconds, then rapidly for 5 seconds, and only then does fogging start. This gives users extra time to close both inner and outer incubator doors and reduces any risk of exposure to hydrogen peroxide vapor at the start of the cycle.



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Troubleshooting

10. My MycoFog® instrument is not producing enough spray.

What Should I Do?	
Check the Wick	Remove the wick. Ensure it is fully saturated and reseal wick. Ensure the spring is in the wick holder and that the wick holder is seated properly.
Check the Reagent	Ensure the correct amount is added and that only MycoFog® H ₂ O ₂ reagent or an approved formulation is used.
Clean the Fogger	Use a cotton swab with vinegar to clean the nebulizer element.
Charge the Battery	Low power can reduce spray intensity. Fully charge before use.

11. My MycoFog® stopped mid-cycle.

How do I fix it?	
Check the Battery	Battery may be low Recharge the unit.
Restart the Unit	Restart the device by turning it off and on again.



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12. The reagent is leaking—what should I check?

What should I check?	
Check Reagent Reservoir	Ensure the reagent reservoir is properly sealed.
Check the Unit Level	Confirm that the instrument is level and not tilted.
Check the Reagent Volume	Do not overfill—use only the recommended reagent volume.

Device Performance & Maintenance

13. How long does the battery last?

A fully charged battery will perform for approximately 5 cycles.

We recommend fully charging the instrument before each use if repeated uses are done on different days

14. Can MycoFog® operate while charging?

Yes, MycoFog® can function while connected to a power source.

15. How do I clean my MycoFog® instrument?

After each use, rinse the reagent reservoir with distilled water.

If fogging volume decreases, clean the nebulizer disk with vinegar and a cotton swab.

Use a fresh wick for each cycle



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16. What quality control checks are performed before shipping?

Each MycoFog® instrument is tested to ensure:

- Proper flow rate within the acceptable range
- Residual reagent volume is within specification

Validation & Compliance

17. Can MycoFog® be used in a GMP environment?

Yes! Our solvent-resistant instrument labels allow for alcohol wipe-downs before GMP suite entry.

18. How do I validate MycoFog's effectiveness?

Use an approved Biological Indicator (BI's) to confirm a reduction in microbial contamination.

Use only MycoFog® BI's or BI's specifically made for ambient pressure environments.

Ordering & Support

19. Where can I purchase MycoFog® and MycoFog® reagents?

US/Canada - Contact Details

Visit our Website at <https://scipro.com/>

Email us at info@scipro.com

Call us at 1-800-268-1956

20. Need More Help?

Contact us at info@scipro.com