



MycoFog™ Biodecontamination System Manual

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MycoFog™ is an easy-to-use biodecontamination system for use in closed culture systems (e.g. cell, plant and microbiology incubators, gloveboxes, and workstations). MycoFog™ is effective in eliminating biocontaminants from these incubators. The MycoFog™ System comprises an instrument (MycoFog™ biodecontamination fogger) and pre-dispensed MycoFog™ reagents with our proprietary H₂O₂ formulation.

Carefully read these operation and care instructions prior to first use.

Items required but not supplied: USB charger, 5V

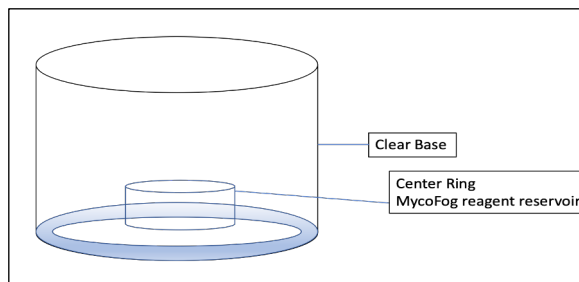
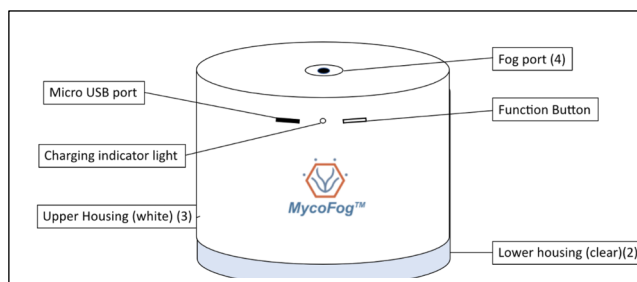
Caution: Ensure incubator is in good working order, able to evenly achieve 37°C-45°C (this temperature range has been validated by MycoFog™ and partners. The MycoFog™ process may be effective at other temperatures but not yet validated by us)

Quick Start

1. Charge MycoFog™ biodecontamination fogger overnight using the provided USB cable (USB charger not supplied). Charge indicator light is on when charging, off when charge is complete.
2. Prepare incubator as noted in “Incubator Preparation” below.
3. Open MycoFog™ biodecontamination fogger by twisting the upper cylinder counterclockwise and pulling it away from the clear base.
4. Pour contents of MycoFog™ reagent pod/bottle into the center ring of the lower cylinder. Place the end of the wick into the reagent reservoir for one minute to prime it and place the primed end into the wick receptacle as noted in “Wick Replacement” below. Replace the wick holder.
5. Carefully place upper cylinder back onto lower cylinder of the MycoFog™ biodecontamination fogger and twisting clockwise to lock, taking care not to let reagent spill from center ring.
6. Wait 5 minutes to allow for complete wetting of the wick.
7. Place MycoFog™ biodecontamination fogger in upper 1/3 of incubator as shown in “Incubator Preparation” below.
8. Press function button once. Observe fog emitted by device from MycoFog biodecontamination fogger mist port (see diagram below).
9. Close and lock incubator, glovebox or workstation and place lab tape over door lock.
10. Set lab timer for 180 minutes. MycoFog™ biodecontamination fogger will shut off automatically at the end of the vapor exposure cycle. If using alternate 37°C protocol, use a 4-hour cycle, set timer for 240 minutes.
11. After 180 minutes (or 240 minutes), open incubator and remove MycoFog™ biodecontamination fogger. Open the MycoFog™ biodecontamination fogger and remove the used wick, as noted below, and discard. Rinse the reagent reservoir with distilled or laboratory DI water. Let dry before storing.
12. Incubator/glovebox/workstation is now ready to use, restart according to your laboratory procedure or instrument manual.

CAUTION

Use only MycoFog reagents in the MycoFog™ biodecontamination fogger. Use of other reagents may harm device or result in inadequate decontamination.



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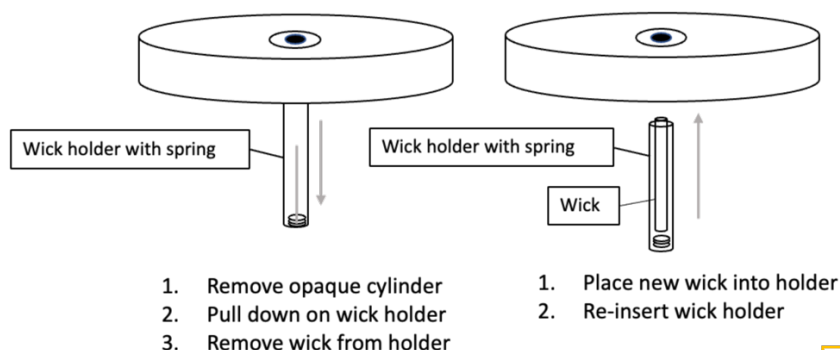
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Function Button Operation

Use a short press on function button once to start the MycoFog™ biodecontamination fogger, short press 2nd time pulses fog, 3rd time turns off.

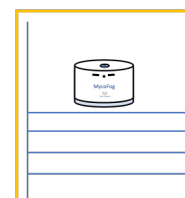
The light will blink and turn off automatically when MycoFog™ T_r reagent is used up, indicating the end of the first step in the disinfection cycle. Long press turns light on, 2nd long press dims, 3rd long press turns light off.

WICK REPLACEMENT (cut-away view)



INCUBATOR PREPARATION:

1. Remove all cultures & labware from incubator.
2. Remove water from water pan.
3. Set incubator temperature to 45°C. If using alternate 240-minute protocol, set temperature to 37°C.
4. Disable gas control.
5. Arrange shelves so that all shelves are in the lower 1/2 to 2/3 of the incubator. If the incubator has a fan inside the chamber that is not close to a HEPA filter, all shelves should be in the bottom 1/3 of the chamber
6. Place MycoFog™ biodecontamination fogger on uppermost shelf
7. Place 3 Biological indicators inside the Incubator if using Prove-it -To Yourself kit, keep one outside the incubator as control, 4 Bis total.



TROUBLESHOOTING

1. If there is no emission from the MycoFog™ biodecontamination fogger nozzle, turn off unit and wait 10 min for wick to completely wet with reagent.
2. MycoFog™ biodecontamination fogger only operates right-side up. Keep level.
3. If the volume of spray is low (refer to www.mycofog.com/troubleshooting), the fogger element may be cleaned with vinegar and cotton swab.
4. If the volume of spray is low, the battery may be low. Recharge

Product Name	MycoFog™ Biodecontamination Fogger	Items included
Product Number	MF-1	MycoFog™ Biodecontamination Fogger
Dimensions	130 diameter x 100 mm high	Manual
Materials	ABS+Polycarbonate	Additional wick
Power	2W	USB cable
Battery Capacity	2000 mAh	
Input/Output	DC 5F/0.8 A	
Battery Type	Lithium Ion	
Charger type	Micro USB	
Device Standard	GB4706.1-2005/GB4706.48-2009	

Warning: Use only MycoFog™ reagents in this instrument. Use only as described in the user’s manual. For Research Use Only, not for Diagnostic or Therapeutic Use. Use caution when using and storing lithium batteries.

Assembled in USA

www.mycofog.com



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