MycoFog® is an easy-to-use biodecontamination system designed to eliminate biocontaminants from incubators, gloveboxes and workstations used in cell culture and microbiology laboratories. The *MycoFog®* System comprises an instrument *(MycoFog®* biodecontamination fogger) and *MycoFog®* reagent bottles with our proprietary H_2O_2 formulation.
Carefully read these operation and care instructions prior to first use.

Items required but not supplied: USB charger, 5V

Caution

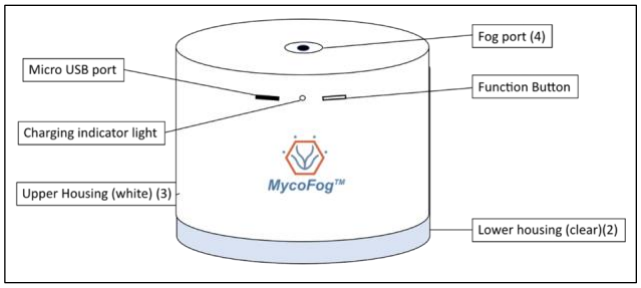
Ensure incubator is clean* and in good working order, able to evenly achieve 37°C-45°C (this temperature range has been validated by *MycoFog®* and partners, the *MycoFog®* process may be effective at other temperatures but not yet validated by us)
** The MycoFog® biodecontamination process complements cleaning but does not replace cleaning. Please consult your incubator operating manual for the manufacturer's cleaning protocol.*

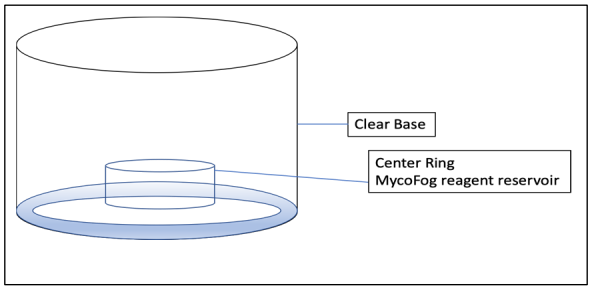
Operation

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 appropriate *MycoFog®* reagent bottle (https://mycofog.com/product/mycofog-biodecontamination-reagent/) into the center ring (reservoir) of the lower cylinder. Place the wick into the wick receptacle as noted in "Wick Replacement" below, taking care that the spring in the wick holder remains in place. Replace the wick holder.
5. Carefully place upper cylinder back onto lower cylinder of the *MycoFog®* biodecontamination fogger and twist clockwise to lock, taking care not to let reagent spill from center ring.
6. Place *MycoFog®* biodecontamination fogger in upper ½ to 1/3 of incubator as shown in "Incubator Preparation" below. Wait 5 minutes for wick to wet completely.
7. Press function button for two seconds, release and close the inner incubator door. Indicator light will blink slowly for 7 sec, rapidly for 5 seconds then the fog will be emitted by device from *MycoFog®* biodecontamination fogger **fog port** (see diagram below).
8. Close and lock incubator, glovebox or workstation and place lab tape over door lock.
9. 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. For incubators < 120 L and between 500 and1200 L chamber volume, extend 45°C protocol to 4 hours, extend 37°C protocol to 5 hours,
10. After 3 hours (or 4 hours or 5 hours), 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.
11. 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, void the warranty and/or result in inadequate decontamination.





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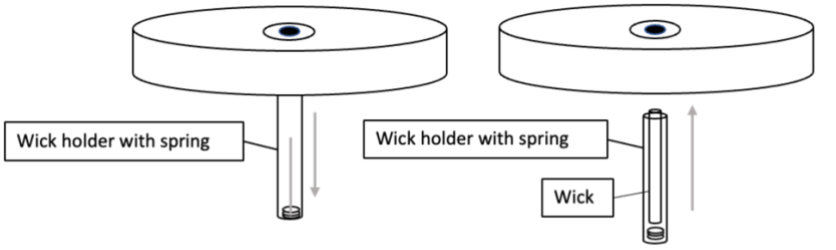
Function Button Operation

Press the function button for 2 seconds, then release. Indicator light will flash slowly for 7 seconds, then rapidly for 5 seconds before device begins emitting vapor. The bright system light will blink, and device will turn off automatically when *MycoFog®* reagent is used up. Short press during emission phase will abort the cycle

WICK REPLACEMENT (cut-away view)

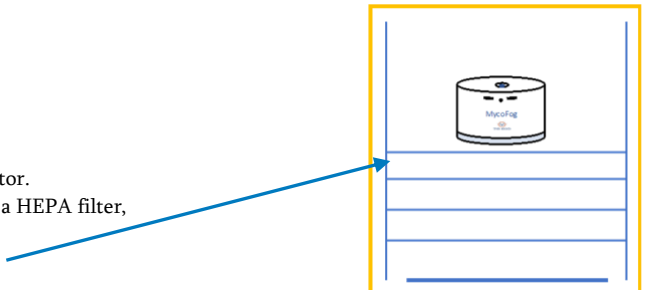


1. Remove opaque cylinder
2. Pull down on wick holder
3. Remove wick from holder

1. Place new wick into holder
2. Re-insert wick holder

INCUBATOR PREPARATION:

1. Remove all cultures & labware from incubator.
2. Remove water from water pan.
3. Set incubator temperature to 37°C or 45°C.
4. Disable gas control. Turn off UV light.
5. Arrange shelves so that all shelves are in the lower ½ to 2/3 of the incubator.
   a. If the incubator has a fan inside the chamber that does not use a HEPA filter, all shelves should be in the bottom ½ to 1/3 of the chamber
6. Place *MycoFog®* biodecontamination fogger on uppermost shelf.



TROUBLESHOOTING

1. If there is no spray emitted from the *MycoFog®* biodecontamination fogger spray port, 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
Product Number	MF-2D
Dimensions	130 mm diameter x 100 mm high
Materials	ABS+Polycarbonate
Power	2W
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

Items included
MycoFog® Biodecontamination Fogger
Manual
Additional wick
USB cable

Warning: Use only *MycoFog®* reagents in this instrument. Use only as described in the user's manual. For Resarch Use Only, not for Diagnostic or Therapeutic Use. Use caution when using and storing lithium batteries.
Assembled in USA

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