

KIT FOR AUDITING MICROBIAL DECONTAMINATION OF ENVIRONMENTAL SURFACES

INTRODUCTION

CREM Co's use of **PCS patented process applied for auditing kit** can sample environmental surfaces **as large as 30x60 cm (1x2 feet)** in healthcare facilities with **>80% recovery of the microbial burden**. The method is simple, economical and quantitative. The spray-and-wipe procedure using a microfiber cloth **permits wiping of smooth and uneven surfaces** while also **recovering microbes in even dried surface biofilms**. The kit can assess the presence of bacteria and fungi/unit surface area sampled. **The turnover time of the method remains similar to that of other available methods.**



Figure 1. Contents of the audit kit.
 Product Code: #MAK-1

CONTENTS OF A KIT IN AN INSULATED CONTAINER (FIGURE 1):

1. Twelve pieces of microfiber cloth placed individually in sterile plastic bags.
2. A plastic spray bottle containing 125 mL of sterile normal saline.
3. Sample labels with the name of the facility, the site and date of sample collection, the sample number and the sample collector's initials.
4. Ice pack.
5. Insulated container for returning the samples to CREM Co.
6. Chain of custody sheet.

INSTRUCTIONS FOR USE

1. Open and inspect the container to make sure all items are there.
2. First place the icepack in a freezer and use it when returning the samples.
3. Select a 2x1 feet (30x60 cm) area on the surface to sample.
4. Wear a clean pair of nitrile gloves for each sample to be collected.
5. Lightly wet the area by spraying it with the saline in the spray bottle provided.
6. Wipe the wetted area with the microfiber cloth from left to right. Wiping to start immediately after spraying as shown in Figures 2 and 3.
7. Apply uniform pressure and start the wiping from one side of the area and end at its other side using a 'U' pattern. Using the other side of the fabric, repeat the wiping in the opposite direction.



Figure 2.

8. Without touching the cloth anywhere, place it in plastic bag and seal the bag.
9. Label each bag and then keep them refrigerated ($5\pm 3^{\circ}\text{C}$) while awaiting shipment back to CREM Co.
10. At the end of the sampling on a given day, place all the bags in the insulated container provided and add the icepack to it.
11. Seal and label the container for shipment back to CREM Co via a next day courier service while avoiding weekends and holidays.
12. Fill out chain of custody sheet as samples are collected.