3M™ Instant Microbe Removing Wipes Demo Instructions – 3M Internal

Instruction Bulletin
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Disclaimer

This video is intended for professional and industrial use only. This video is for demonstration purposes only and contains scenes from controlled environments. The situations depicted should not be re-enacted without supervision by an environmental, health and safety professional. Although the products used in this video are samples of products available for commercial use, many factors beyond 3M's control can affect the use and performance of products in a particular application. 3M makes no warranties, express or implied, in this video including, but not limited to, the warranties of fitness for a particular purpose. Potential users should not rely on this video to determine the suitability of the product for their intended use. All potential users should refer to 3M published specifications and warranties.
This demonstration is conducted utilizing probiotic solution, which is a mixture of non-pathogenic bacteria cultures. The Clean-Trace™ does not detect virus presence on a surface. Please reference 3M™ Instant Microbe Removing Wipes Technical Data Sheet for complete information on directions for use and claims related to this product.

Demonstration Description

This document provides 3M sales and technical representatives with detailed instructions on how to conduct this demonstration. This demonstration can be conducted in person or video.
The 3M™ Instant Microbe Removing Wipes with Clean-Trace™ demonstration is a qualitative evaluation that can be conducted to show the wipes microbial removal capability. The 3M™ Clean-Trace™ luminometer measures Adenosine Triphosphate ("ATP") presence on hard non-porous surfaces. This measurement tool helps determine surface cleanliness and efficacy of cleaning processes. ATP is measured in relative light units or "RLU's". The RLU amount or presence can be representative of microbial presence on a surface, which is what the intention is for this demonstration.

Materials

a. 3M™ Clean-Trace™ Luminometer LX25
b. 3M™ Clean-Trace™ ATP Surface Test UXC100
c. Probiotic
d. Canister or Bucket of 3M™ Instant Microbe Removing Wipes
e. Common Competitive Dry Disposable Wipe
f. 15 cm x 15 cm (6" x 6") 304 Stainless Steel Panel
g. 1 ml Pipette
h. Tap water
i. Plastic or Glass Container

Materials Description

a. 3M™ Clean-Trace™ Luminometer LX25
b. 3M™ Clean-Trace™ ATP Surface Test UXC100
c. In this demonstration Nature's Way™ Fortify™ 50 Billion Daily Probiotic were used. Probiotics are easy to prepare and use to help inoculate a surface with non-pathogenic microbes as a great source for ATP, which allows for a good baseline for demonstration. This specific probiotic may be replaced with a similar to probiotic that is available locally.
d. Follow the directions on the label or in the Technical Data sheet for the recommended volume of water to pour over the center of the roll in either the bucket or canister of 3M™ Instant Microbe Removing Wipes to ensure proper wipe saturation.
e. It can be beneficial to have a common competitive dry disposable wipe available for the demonstration as well. Having a common competitive dry wipe to show in comparison will allow for the customer to see the differentiation in microbial removal between the two wipes. It is advised to not conduct this demonstration against disinfectants, disinfectant wipes, or launderable textiles such as microfibers. These are not direct alternatives to the 3M™ Instant Microbe Removing Wipes, thus will not be a fair representative for this demonstration.
f. In the video demonstration a 304 stainless steel panel with brushed finish was used as the hard non-porous surface. It is important that the stainless steel panel utilized is unscratched, clean of residue, and pure from any imperfections that could reduce the surface contact of the wipes for this demonstration. Such imperfections could offer microbial shielding or shelter from the wipe surface, thus not allowing a fair

representation of the removal potential for the wipes used. It is recommend for brushed stainless steel to be utilized, but this could be sourced locally.

g. A plastic 2 ml pipette was used in this demonstration for moving probiotic from its beaker to the stainless steel panel. A pipette of greater volume could be utilized. It is important to use consistent volumes of probiotic for each wipe trial when dispensing to the stainless steel panel. 1 ml of probiotic solution was dispensed on the panel for this demonstration.

h. Tap water is used to properly saturate wipes as well as for preparation of the probiotic solution. Tap water should be room temperature and free from any known contaminants. Follow the wipes label recommendation on the amount of water to use to properly saturate the 3M wipes and competitive dry wipes.

i. The plastic or glass containers were used in the demonstration for containing the probiotic solution and for preparing the disposable dry wipes for the demonstration.

Demonstration Procedure

1. Gather the materials described earlier in this document.
2. Dispense (carefully break open) 1 capsule of probiotic into a beaker or respective clean container with 100 ml of tap water. Mix thoroughly until probiotic mixture is suspended in tap water. It is important to prepare fresh solution on the day of the demonstration in order to ensure probiotic cultures are alive and at close to full strength. The probiotic may not be at full strength many hours or day(s) after preparation.
3. Place clean 304 stainless steel panel on flat surface (ensure there are no scratches or imperfections on the panel).
4. Prepare and saturate dry disposable wipes with tap water. Do so in accordance with manufacture instructions for the disposable dry wipes. The 3M™ Instant Microbe Removing Wipes preparation instructions can be viewed on the container label, in the products Technical Data Sheet, or respective packaging “How To Guide”.
5. Pipette 1 ml of probiotic solution to center of the panel.
6. Remove from the tube and swab probiotic solution with 3M™ Clean-Trace™ ATP Surface Test UXC100. Ensure swab tip is fully saturated with probiotic solution and swab full probiotic area.
7. Place swab back into the original tube the swab was pulled from.
8. Agitate tube for approximately 5 - 10 seconds prior to loading into the 3M™ Clean-Trace™ Luminometer LX25.
9. Turn on luminometer. Once luminometer is on, hold device in an upright position and click on “quick test” on the luminometers’ home screen. Reading should take approximately 10 seconds.
10. Read and take note of RLU value after completion of the reading. This is the baseline or starting point for the demonstration.
11. Remove swab and put the luminometer down carefully.
12. Take the properly saturated 3M™ Instant Microbe Removing Wipe and with two strokes wipe over the probiotic solution dispensed on the stainless steel panel (up and down). It is important to not use excessive pressure, only enough to ensure even contact of the surface of the wipe with the panel.
13. Take a new 3M™ Clean-Trace™ ATP Surface Test UXC100 and swab the wiped area. It is important to follow the same procedure as steps 6 - 11.
14. After obtaining the new reading from the luminometer, compare the RLU value to the value received from the first swab of the panel.
15. Repeat same procedure for all disposable dry wipes used in this demonstration. It is important to ensure wiping method and pressure is the same throughout the demonstration.

If you have any questions with respect to these demonstrations instructions, please consult your local 3M technical representative.

Warranty Information

3M Basic Product Warranty

3M Products are warranted to be free of defects in materials and manufacture at the time of shipment and to meet the specifications stated in its applicable 3M Product Bulletin.

Limited Remedy

3M recommended product end uses are listed in each 3M product bulletin.
End uses not listed in the applicable 3M Product Bulletins are typically not eligible for 3M Warranties.

- For all product end uses (recommended or not recommended), user remains solely responsible for evaluating, testing and approving this 3M product and determining whether it is appropriate and suitable for customer's application.
- For non-recommended and/or non-warranted end uses or applications, users must assume any associated risks, and acknowledge that 3M has no liability for such end uses or applications.

Please contact your 3M representative with any questions about end uses and warranties.

Limitations of liability

All questions of warranty and liability relating to this product are governed by the terms and conditions of the sale, subject, where applicable, to the prevailing law.

Health and Safety

When handling any chemical products, read the manufacturer's container labels and the Safety Data Sheets (SDS) for important health, safety and environmental information.
Follow the link to obtain SDS sheets for 3M products on 3M.com/SDS.
IMPORTANT! When using any equipment, always follow the manufacturer's instructions for safe operation.

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