



For The Rapid Detection of Biofilms on Surfaces in the Food, Beverage and Pharmaceutical Industries

DESCRIPTION

BIOTECTOR is a pink, viscous liquid that turns an effervescent creamy white when it comes into contact with the enzyme catalase which is present within biofilms.

BIOTECTOR may be used to trace the source of persistent microbial infections, such as spikes in TVCs that are typically caused by biofilms.

BIOTECTOR may also be used for validating cleaning by detecting the catalase bound up in food residues, and as a visual aid when training cleaning methodology by testing for food residues in critical control points.

BENEFITS

- Reveals contaminated areas in just a few seconds by a simple visual inspection.
- Will rapidly detect biofilms produced by pathogens such as *Listeria monocytogenes*, *Salmonella* spp., *Escherichia coli*, *Staphylococcus aureus*, *Legionella* spp., and *Cronobacter sakazakii* which are capable of causing food poisoning.
- Rapidly detects microorganisms that may cause food spoilage and adversely affect product shelf life, such as *Pseudomonas* spp.
- Not considered toxic to the environment according to current legislation.
- Safe to use on most materials used in the food industry including stainless steel, polypropylene and epoxy coated surfaces.

DIRECTIONS FOR USE

- Following a regular chemical clean and thorough rinsing, spray BIOTECTOR gently onto the surface to be tested at a distance of 12-17cm.
- Visually inspect the surface immediately after application.
- Biofilms are present if the pink translucent BIOTECTOR produces white foam microbubbles within 30 seconds of application.
- If the BIOTECTOR remains pink and produces no microbubbles after one minute at room temperature biofilms are not present.
Note: a time lapse of up to 3 minutes maybe required in cold environments such as chillers and freezers.
- Finally, rinse the surface with clean cold water or wipe with clean cloth and apply a terminal disinfectant.

To the best of our knowledge the technical data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. Freedom Hygiene is not responsible for improper use of product.



BIOTECTOR



HANDLING AND STORAGE

Keep container closed when not in use. Avoid exposure to direct sunlight and high temperatures. Store below 20°C, preferably at 5°C.

HEALTH & SAFETY

- Causes serious eye damage.
- Wear protective gloves, clothing and eye protection.
- IF IN EYES: Rinse cautiously with water for several minutes. If irritation persists seek medical advice and/or treatment.
- Do not swallow.

For more information, please read the BIOTECTOR Material Safety Data sheet.

PACKAGING

1 box 3 x 500ml bottles plus 3 sprayers

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