

# HTS- 4, HTS-10 AND HTS-10 BPW

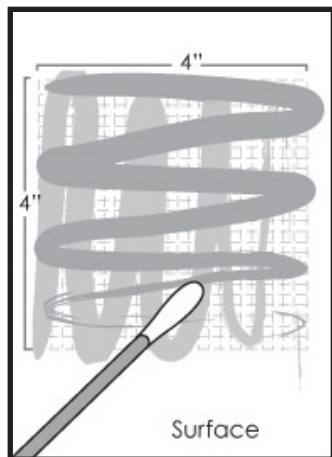
## DESCRIPTION AND INTENDED USE

Hygiena HTS-4, HTS -10 and HTS-10 BPW are ready to use devices intended to be used in the food and beverage industry for surface sampling. The HTS-4 and HTS-10 devices consist of a swab attached to the cap of a tube of Lethen broth (4ml and 10 ml respectively). The Lethen broth facilitates the recovery of bacteria. The sample solution is designed to be used with conventional agar plates, or dried gel systems. A single swab sample taken can be used to plate multiple plates using appropriate aliquots of sample broth solution. Lethen broth has been found to neutralize residual sanitizers on surfaces and can enhance the accuracy of environmental testing. The HTS-10 BPW device contains Buffered Peptone Water to be used as a diluent for preparation of microbial and environmental samples. The HTS-4, HTS-10 and HTS-10 BPW are filled aseptically and gamma irradiated.


## INSTRUCTIONS FOR USE


**The success of any sampling plan depends on establishing a consistent and easy to replicate procedure.**

1. Visually inspect the liquid in the tube prior to use. The liquid in the tube should be clear and light amber, not turbid or cloudy.  
HTS-10 BPW should be light straw color
2. Label the tube with sample ID.
3. Unscrew the cap with swab attached.
4. Swab the area of interest. Hold the cap to make a 30° angle with the surface. Rub the swab slowly and thoroughly over surface area reversing direction between alternating strokes. Swabbing an area 10 cm x10 cm (4" x 4") is recommended.



5. Insert the swab back into the tube. Secure cap. Transport sample to the lab.
6. In the lab, vortex for 10 seconds to release bacteria from swab tip.
7. Use sample broth for inoculation / incubation in appropriate aliquots as required for multiple plates.

 Store at 2°C – 8°C (35°F – 46°F)

 Expiration date listed on tube label MM/DD/YYYY

**LOT** Lot Number listed on tube label

## Storage and Disposal

HTS-4, HTS-10 and HTS-10 BPW should be stored at 2° - 8°C. Exposure to temperatures > 25°C may affect the performance of the swabs and broth. The shelf life is 18 months, Lot numbers and expiration dates are noted on the labels.

The components of Hygiena HTS -4, HTS-10 and HTS-10 BPW do not pose any health risk; when used in accordance with standard laboratory practice. Used devices may be a potential biohazard depending on strain of microbial growth. Follow current industry standards for disposal.

## CAUTION/ USER RESPONSIBILITY AND LIMITATION OF LIABILITY

The swab is intended for a single use only. Do not use more than once.

The Lethen broth / Buffered Peptone Water does not contain any dyes, therefore, it alone will not detect bacteria colonies. The sample broth must be used with culture media such as agar plates to grow and identify bacterial colonies.

Do not use in the diagnosis of conditions in humans or animals.

It is the user's responsibility to select a test method to evaluate a product by testing it with sufficient number of samples and microbial challenges to satisfy the user that the chosen method meets the user's criteria.

Selection of broth, sampling method, testing protocol, preparation time and handling may influence recovery and enumeration of specific strains.

As with any swab sampling method, the best microbial practice is to re-sanitize the swabbed area after the swab sample has been taken.

If any of these products are proven to be defective, Hygiena will replace or at its discretion refund the purchase price. Promptly notify Hygiena within 30 days of discovery of any suspected defect and return the product to Hygiena. Please call Customer Service for a Returned Goods Authorization.

## Additional Information

If more information is required, please visit us at : [www.hygiena.net](http://www.hygiena.net)

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