

World Bioproducts Product Specifications

Halal Select™ Swab Sampler

Intended for collection of environmental surface samples

- Small polyurethane tip, suitable for sampling cracks and crevices, and surface areas of approximately 100 cm² or 4" x 4"
- Large polyurethane tip, suitable for sampling surface areas up to 1 ft²
- Green shaft and cap
- Tube has flat base for stability and conical bottom for vortexing sample to facilitate release of cells from swab.
- White write-on area to clearly record sample identification
- Available dry or pre-hydrated with HiCap™ Neutralizing Broth



Device Specifications:

- Qty: 100 / case
- Swab: polypropylene shaft with polyurethane tip
- Tube: polypropylene (recyclable), approximately 16 mm x 127 mm (with cap)
- Storage conditions: dependent upon collection solution
- Processing: Terminally gamma irradiated for sterility

Collection Solution Specifications:

Collection Solution	Appearance	pH	Storage	Shelf life	Volume
HiCap™ Neutralizing Broth	Light amber; hazy opalescent with slight precipitate	6.8 – 7.2	2 – 30 °C	24 months	1, 5, or 10 ml

HiCap™ Neutralizing Broth:

- All components are listed in U.S. Food and Drug Administration *Substances Added to Food* (formerly EAFUS)
- There are no animal-derived materials used in this broth medium.

Neutralizing Collection Solution Comparison Chart:

Attribute	HiCap™ Neutralizing Broth	Neutralizing Buffer	Lethen Broth	D/E Neutralizing Broth
Ability to neutralize quats ¹	Highest	Moderate	Weakest	Highest
Ability to neutralize free chlorine	Highest	Weakest	Moderate	Highest
Ability to neutralize high acid	Highest	Weakest	Moderate	Highest
Ability to neutralize peroxyacetic acid	Highest	Weakest	Weakest	Highest
Ability to buffer low pH (high acid) sanitizers ²	Yes	No	No	No
All components are compatible with Neogen Petrifilm plates ³	Yes	No	Yes	No
Compatible with molecular detection assays	Yes	No ⁴	Yes	Yes
All components listed in FDA Substances Added to Food ⁵	Yes	No	Yes	No
All components are identified as non-allergenic	Yes	Unknown ⁶	Unknown ⁷	No ⁸
No meat peptones or extracts	Yes ⁹	Yes	No	No
Store at ambient temp 2-30°C	Yes	Yes	Yes ¹⁰	No ¹¹

1. Technical data available upon request. ~ 2. Technical data available upon request. ~ 3. Neogen recommends avoiding solutions that contain bisulfite, citrate and thiosulfate when working with Petrifilm. ~ 4. Possibly due to the presence of aryl sulfonate complex in the neutralizing buffer. ~ 5. Substances Added to Food -. (U.S. FDA). ~ 6. Contains aryl sulfonate complex of unknown allergenicity. ~ 7. Lethen broth contains lecithin. Lecithin used in microbiological culture media is typically derived from soy or egg. ~ 8. Contains peptone from milk and lecithin, which is typically derived from soy or egg. ~ 9. Includes vegetable peptones (not digested with animal-derived enzymes) and yeast extract. ~ 10. Some suppliers of Lethen broth specify refrigerated storage. ~ 11. D/E shows pH instability with ambient storage.

Recommended Best Practices:

Sanitizing surfaces after sample collection:

It is recommended that all surfaces sampled using the Halal Select™ Sponge Samplers with HiCap™ Neutralizing Broth be rinsed and sanitized after a sample is collected, as it contains growth promoting materials, such as peptones, that if left on the surface may support the growth of microorganisms after the sample is collected.

Handling of samples after collection:

It is recommended that samples be analyzed as soon as possible after collection. If samples are sent to an off-site laboratory for analysis, they should be packed in accordance with local shipping regulations. Samples should be packed on ice to maintain refrigerated temperatures. Care should be taken to avoid freezing of samples. Samples collected using HiCap Neutralizing Broth may be held at refrigerated temperatures (2-8 ° C) for up to 96 hours prior to analysis.^F

^F Data on file at World Bioproducts and available upon request



Halal-Select™ Sampling Devices have been certified by the American Halal Foundation (AHF) to be manufactured in accordance with Islamic Law and are suitable for use globally.

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