

## Carcass-Sponge-Kit (Sponge Sampling Method)

K080

### Intended use

Recommended for Sampling of Animal Carcasses in Microbiological tests.

### Kit contents

- 1 Sterile, non inhibitory, sponge with a dimensions of 3.8 x 7.6 x 1.5 cm enclosed in a Whirl-Pack bag.
- 1 bottle with 25 ml sterile diluent (M1494I) Buffered Peptone Water)
- 1 Sterile disposable square template 100cm<sup>2</sup> (10x10 cm) in a zip lock bag.

### Directions :

1. Select the areas to be sampled by placing the sterile disposable square template.
2. Tear off the Whirl-Pack bag and add the sterile diluent (Buffered Peptone Water) from the bottle just enough to completely dampen the sponge. However avoid adding excess diluent.
3. In case of moist surface, the sponge can be used directly.
4. Place the template against the area to be sampled, press it firmly and wipe the sponge 10 times in perpendicular directions using both the sides of the sponge (use sterile gloves for wiping with the sponge).
5. After the area has been swabbed, place the sponge in the Whirl-pack bag and add the remaining diluent (Buffered Peptone Water) to it.
6. For further processing of the sample the bag is transported to the laboratory under refrigerated conditions within 1 hour.

### Principle And Interpretation

Sampling kit for microbiological control in slaughter houses and meat processing plants. This kits are also useful for environmental sampling of working areas and equipment control in general. Application areas: Food, Animal feed, Dairy industries, Meat processing plants, Large catering areas etc.

### Type of specimen

Environmental samples

### Specimen Collection and Handling:

For environmental samples, follow appropriate techniques for sample collection, processing as per guidelines and local standards (Refer directions) (3). After use, contaminated materials must be sterilized by autoclaving before discarding.

### Warning and Precautions :

Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/ face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling specimens. Safety guidelines may be referred in individual safety data sheets.

### Limitations :

1. Individual organisms differ in their growth requirement and may show variable growth patterns on the medium.
2. Each lot of the medium has been tested for the organisms specified on the COA. It is recommended to users to validate the medium for any specific microorganism other than mentioned in the COA based on the user's unique requirement.

### Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.

### Quality Control

#### Appearance :

- 1) 1 Sterile, non inhibitory, sponge with a dimensions of 3.8 x 7.6 x 1.5 cm enclosed in a Whirl-Pack bag.
- 2) 1 bottle with 25 ml sterile diluent (M1494I) (Buffered Peptone Water)
- 3) 1 Sterile disposable square template 100cm<sup>2</sup> (10x10 cm) in a zip lock bag.

#### Colour and Clarity

Light yellow coloured clear solution without any precipitate of Buffered Peptone Water (M1494I)

#### Sterility Check

No growth is observed after 14 days for Bacteria at 30-35°C and for fungi at 20-25°C.

**Cultural Response:**

Cultural response observed after an incubation at 30 - 35°C / 35 - 37°C for 24 - 30 hours.

Organism (ATCC)	Inoculum (CFU)	Growth
<i>Escherichia coli</i> ATCC 25922 (00013*)	50-100	good-luxuriant
<i>Escherichia coli</i> ATCC 8739(00012*)	50-100	good-luxuriant
<i>Salmonella Enteritidis</i> ATCC 13076 (00030*)	50-100	good-luxuriant
<i>Salmonella</i> Typhimurium ATCC 14028 (00031*)	50-100	good-luxuriant
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC 25923 (00034*)	50-100	good-luxuriant
<i>Cronobacter sakazakii</i> ATCC 29544 (00214*)	50-100	good-luxuriant
<i>Enterococcus faecalis</i> ATCC 29212 (00087*)	50-100	good-luxuriant

Key : (\*) Corresponding WDCM numbers.

**Storage and Shelf Life**

On receipt store between 2-8°C. Product performance is best when used within expiry period.

**Disposal**

Unseal the bag and add three chlorine tablets in each bag to decontaminate. Mix well and allow to stand for 30 minutes and then pour contents into sink drain, toilet or hole in the ground. Safely dispose the bag.

**Reference**

- 1.Isenberg, (Ed.), Clinical Microbiology Procedures Handbook 2nd Edition
- 2.Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock., D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.

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**Disclaimer :**

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