

Carcass-Swab -Kit (Wet & Dry Swab Method)

K081

Intended use

Recommended for Sampling of Animal Carcasses in Microbiological tests.

Kit contents

- a) 2 Sterile swabs individually packed.
- b) 1 bottle with 10 ml sterile diluent (M1494I) Buffered peptone Water
- c) 1 Sterile disposable square template 100cm² (10x10cm) in a zip lock bag.

Directions :

1. Select the areas to be sampled by placing the sterile disposable square template
2. Dampen the sterile swab by using sterile diluent (M1494I - Buffered Peptone Water).
3. In case of moist surface, the swab can be used directly.
4. Place the template against the area to be sampled, press it firmly and roll the swab in all directions, so that the entire area to be swabbed is covered.
5. After the area has been swabbed , break off the wooden shaft of the swab and place the head of the swab in the diluent (Buffered Peptone Water).
6. Rub the same selected area with the second dry swab.
7. Introduce swab in to the same diluent bottle and break of it too.
8. For further processing of the sample the bag is transported to the laboratory under refrigerated conditions within 4 hours.

Principle And Interpretation

Sampling kits are used 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). 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) 2 Sterile swabs individually packed.
- 2) 1 bottle with 10 ml sterile diluent (M1494I) Buffered peptone Water
- 3) 1 Sterile disposable square template 100cm² (10x10cm) 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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