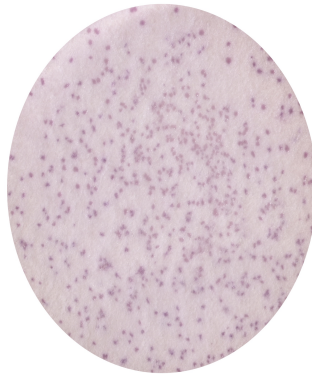
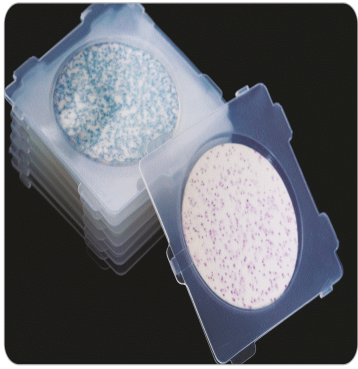


HiPetriSlim™ HiCrome® Salmonella Count

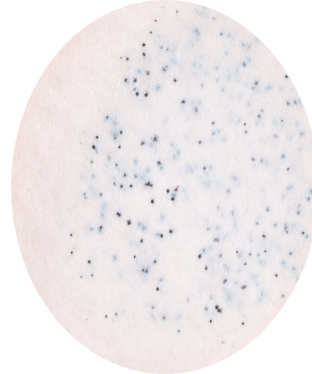
HPS009

Intended use

Recommended for the determination of total *Salmonella* in food and water samples.



Salmonella diarizonae



Klebsiella aerogenes



Proteus vulgaris

Composition**

Proprietary

**Formula adjusted, standardized to suit performance parameters

Directions

Open the pouch aseptically. Open the lid and add the required dilution of 0.5 ml to 1 ml. The solution will be evenly absorbed. Close the lid. Press the sides of the lid to ensure that it is fixed in the grooves. Allow 5-10 minutes for even absorption. Incubate the plates in horizontal position at specified temperature and period. After incubation, count the number of colonies which have appeared on the surface of the medium.

Principle And Interpretation

Salmonella are gram negative, anaerobic, non sporulating rods in the family *Enterobacteriaceae* present in the stomach and intestinal tissues of human & animals and are found in their wastes. *Salmonella* species cause many types of infections from mild, self-limiting gastroenteritis to life threatening typhoid fever. It is also present in different food and meat samples. This medium is based on chromogenic differentiation wherein *Klebsiella* and *Enterobacter* species gives blue coloured colonies. *E.coli* gives colourless to light mauve coloured colonies, *Proteus* gives light brown coloured colonies. All *Salmonella* species gives purple coloured colonies.

Salient features :

- Recommended for testing liquid samples
- Widespread Industrial application (Water, Food, Dairy & Cosmetics)
- Compact packing reduces storage space
- No Preparation time
- User-friendly, ready-to-use products
- Available in wide range of products that can be customized as per requirement

Type of specimen

Food and dairy industries, Cosmetic industries, Water and waste water testing laboratories, Other industries, laboratories where microbiological work is carried out.

Specimen Collection and Handling

Refer directions.

After use, contaminated materials should be autoclave at 121°C for 15 minutes 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. Do not use diluents containing citrate, bisulfite or thiosulfate; they can inhibit growth.
2. Individual organisms differ in their growth requirement and may show variable growth patterns on the medium.

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

Sterile plastic plate containing cream to white nutrient pad

Sterility Check:

Passes release criteria.

Cultural Response:

Cultural characteristics observed after an incubation at 35-37°C for 24-36 hours.

Organism	Inoculum (CFU)	Growth	Colour of Colony
<i>Salmonella</i> diarizonae ATCC 12325	50-100	luxuriant	purple
<i>Salmonella</i> enterica subspecies enterica serovar Bispbjerg ATCC 9842	50-100	luxuriant	purple
<i>Salmonella</i> diarizonae ATCC 29934	50-100	luxuriant	purple
<i>Salmonella</i> Typhimurium ATCC 14028 (00031*)	50-100	luxuriant	purple
<i>Salmonella</i> Enteritidis ATCC 13076 (00030*)	50-100	luxuriant	purple
# <i>Klebsiella aerogenes</i> ATCC 13048 (00175*)	50-100	luxuriant	blue

Key : (*)Corresponding WDCM numbers, (#)- Formerly known as *Enterobacter aerogenes*

Storage and Shelf Life

Store between 2-8°C. Use before expiry date on the label. Product performance is best if used within stated expiry period.

Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with sample must be decontaminated and disposed of in accordance with current laboratory techniques (1,2).

Reference

1. Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition
2. Murray P. R, Baron E, J., Jorgensen J. H., Tenover F. C., Tenover P. C., (Eds.), 8th Ed., 2003, Manual of Clinical Microbiology, ASM, Washington, D.C.

Revision : 02/ 2025

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