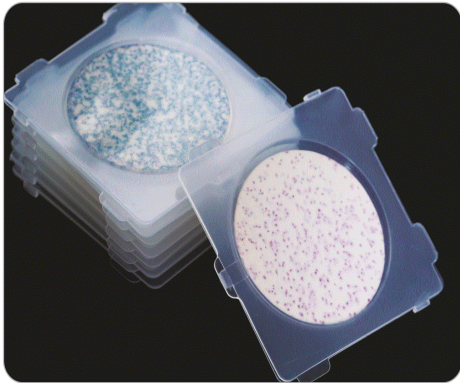


HiPetriSlim™ HiCrome® Vibrio Count

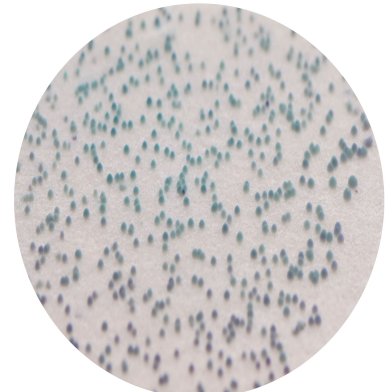
HPS010

Intended use

Recommended for the determination of *Vibrio* count in food and water samples by chromogenic method.



Vibrio cholerae



Vibrio parahaemolyticus

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

Vibrio species are mainly responsible for causing cholera and food poisoning in humans. *Vibrio cholerae* causes cholera due to the intake of contaminated food such as raw oysters. *Vibrio parahaemolyticus* is a major cause of food borne infections, causing food poisoning. The medium is highly nutritious and provides amino acids and long chain peptides for the growth of microorganisms. The enzyme beta-galactosidase helps in the chromogenic differentiation of *Vibrio cholerae* and *Vibrio parahaemolyticus*.

Salient features :

- Recommended for testing liquid samples
- Widespread Industrial application (Water, Food & Dairy)
- 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, 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.Slight colour variation of *Vibrio* species may be observed depending upon strains, since it is an enzyme substrate based reaction.
- 2.Individual organisms differ in their growth requirement and may show variable growth patterns on the plate.

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 white to pale yellow nutrient pad

Sterility Check:

Passes release criteria.

Cultural Response:

Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.

Organism	Inoculum (CFU)	Growth	Colour of Colony
<i>Vibrio cholerae</i> ATCC 15748	50-100	good-luxuriant	purple
<i>Vibrio parahaemolyticus</i> ATCC 17802 (00037*)	50-100	good-luxuriant	bluish green
<i>Escherichia coli</i> ATCC 25922 (00013*)	$\geq 10^4$	inhibited	
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC 25923 (00034*)	$\geq 10^4$	inhibited	

Key : (*) - Corresponding WDCM numbers

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., Pfaller M. A., Tenover F. C., Tenover R. H., (Eds.), 8th Ed., 2003, Manual of Clinical Microbiology, ASM, Washington, D.C.

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Disclaimer :

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