

HiTouch™ Environmental Testing *Flexi* Plate (gamma irradiated)

FL009G

For enumeration (count) of environmental organisms.

Composition**

Ingredients	Gms / Litre
Peptone special	23.000
Yeast extract	2.000
Sodium chloride	5.000
Lecithin	1.000
Polysorbate 80	7.000
Dextrose	1.000
Sodium bisulphite	0.100
Indicator dye	0.100
Agar	15.000
Final pH (at 25°C)	7.2±0.2

**Formula adjusted, standardized to suit performance parameters

Directions

Open the pouch in the protected area . Remove the wrapping and open the lid and carefully lift up the enclosed prepared medium plate so as to avoid touching the agar surface by hand.Touch the surface of agar plate onto the surface to be tested. Gently press the plate manually for upto 10 second. Apply constant and uniform pressure to the whole surface (ensuring that an even pressure of 25 gm/cm² is distributed over the whole plate for 10 seconds). Replace exposed medium plate back in the base plate. Close the lid. Press the sides of the lid to make sure that it is fixed in the grooves. Disinfect the surface where the sample was taken in order to remove any possible traces of agar. Incubate the plates at specified temperature. After incubation as recommended count the number of colonies which have appeared on the surface of medium. Alternative Methods of Inoculation : To use as Culture Plate (ii), Sample Dilution Plate (iii) or Swabbing Plate (iv) To use as Gravitation Settling Plate (v)

Principle And Interpretation

Hitouch *Flexi* Plates are specially developed for the microbial testing in food , pharmaceutical, cosmetic,dairy, hospitals, water works, environmental testing etc. These plates are handy and ready to use sterile media supplied in flexible disposable plates, 55 mm in diameter. It is grid scored on the base and is irradiated to ensure perfect sterility. Medium is filled aseptically and each plate is packed in pre-sterilized plastic bag. Hitouch *Flexi* Plateis then packed in plastic pouch wrapping. The unique flexible plate configuration ensures close contact even with uneven surfaces. These plates are specially developed for microbial testing, where count can be obtained. The Flexi plate medium formula is suitable for enumeration of environmental microorganisms and the grids enable direct reading on the plates of the number of colonies per cm².

Quality Control

Appearance

Sterile plastic plate containing yellow coloured firm gel

Quantity of Medium

9ml of gel in plastic plate

Reaction

7.00- 7.40

Sterility test

Passes release criteria

Cultural response

Cultural characteristics observed after incubation at 35-37°C for 18-48 hours.

Organism	Growth
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<i>Escherichia coli</i> ATCC 25922	Luxuriant
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<i>Staphylococcus aureus</i> ATCC 25923	Luxuriant
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Storage and Shelf Life

Store between 2-8°C. Use before expiry date on the label.

Reference

- 1.Hall L., Hartnett M.J., Pub. (1964) Health Rep., 79,1021.
- 2.Pryor A.K., Mc Duff C.R., Exed Housekeeper. (1969) Mass.
- 3.Lenette E.H., Spauldine E.H., Truant J.P.Manual of Clinical Microbiology, 2nd ed., (1974) American Society for Microbiology.
- 4.Desbordes J., Biodegradation microbienne des antiseptiques et conservateurs. (1977) Rev. Institut Pasteur de Lyon, 10 (n04), 291-311.
- 5.Norme francaise NF T 72-151, Antiseptiques et desinfectants utilises a retat liquide, misibles a reau (03/1981).
- 6."Guide du blonettoyage". Journal Officiel de la Republique Francaise. Recommandation NOE 1-90 (1991).

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