

HiTouch™ Enteric Pathogen Count *Flexi* Plate

FL030

For selective isolation and differentiation of coliform organisms and other enteric pathogens.

Composition**

Ingredients	Gms / Litre
Peptone special	20.000
Lactose	10.000
Bile salts	1.500
Sodium chloride	5.000
Indicator dye	0.010
Agar	15.000
Final pH (at 25°C)	7.1±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 sencond. 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. where not only counts are obtained but it is also possible to select and differentiate between groups of microorganisms like coliforms (both *E. coli* and non *E. coli*). These plates are specially developed for microbial testing, The Flexi plate medium formula is suitable for optimal growth 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 Red w/purplish tinge coloured firm gel.

Quantity of Medium

9ml of gel in plastic plate.

Reaction

6.90- 7.30

Sterility test

Passes release criteria

Cultural response

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

<i>Enterobacter aerogenes</i> ATCC 13048	Luxuriant	Pink to red
<i>Escherichia coli</i> ATCC 25922	Luxuriant	Pink to red with bile precipitate
<i>Enterococcus faecalis</i> ATCC 29212	None-poor	Pale pink to red
<i>Proteus vulgaris</i> ATCC 13315	Luxuriant	Colourless
<i>Staphylococcus aureus</i> ATCC 25923	Inhibited	-
<i>S. serotype Enteritidis</i> ATCC13076	Luxuriant	Colourless
<i>S. serotype typhi</i> ATCC 6539	Luxuriant	Colourless
<i>S. serotype paratyphi A</i> ATCC 9150	Luxuriant	Colourless
<i>Shigella flexneri</i> ATCC 12022	Luxuriant	Colourless
<i>S. serotype paratyphi B</i> ATCC 8759	Luxuriant	Colourless

Storage and Shelf Life

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

Reference

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- 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).
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