



## HiTouch™ E.Coli/ Coliform Count *Flexi* Plate

FL002

For enumeration (count) of all coliform along with differential count of E.coli.

### Composition\*\*

Ingredients	Gms / Litre
Tryptose	14.000
Peptone special	5.000
Bile salts mixture	1.500
Disodium hydrogen phosphate	1.000
Monosodium dihydrogen phosphate	0.600
Sodium chloride	2.400
Chromogen	0.075
Indicator dye	0.100
Agar	12.000
Final pH ( at 25°C)	7.3±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/cm<sup>2</sup> 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).These plates are specially developed for microbial testing,The Flexi plate medium formula is suitable for enumeration of yeast and mould(fungal) population and the grids enable direct reading on the plates of the number of colonies per cm<sup>2</sup>.

### 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* Plate is 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 enumeration of all coliforms alongwith differential count of E. coli and the grids enable direct reading on the plates of the number of colonies per cm<sup>2</sup>.

### Quality Control

#### Appearance

Sterile plastic plate containing light yellow coloured firm gel

#### Quantity of Medium

9ml of gel in plastic plate

#### Reaction

7.10- 7.50

#### Sterility test

Passes release criteria

#### Cultural response

Cultural characteristics was observed after incubation at 44°C for 18-24 hours.

Organism	Growth	Colour of Colony
<i>Escherichia coli</i> ATCC 25922	Luxuriant	Bluish purple
<i>Klebsiella pneumoniae</i> ATCC 13883	Luxuriant	Red to maroon
<i>S. serotype enteritidis</i> ATCC 13076	Luxuriant	Red to maroon
<i>Staphylococcus aureus</i> ATCC 25923	Inhibited	-

### Storage and Shelf Life

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

### Reference

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

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