



## HiTouch™ High Sensitivity Coliform Count *Flexi* Plate

FL004

For enumeration (count) of coliform bacteria.

### Composition\*\*

Ingredients	Gms / Litre
Biopeptone	5.000
Yeast extract	3.000
Lactose	10.000
D-Mannitol	5.000
Sodium chloride	7.500
Sodium lauryl sulphate	0.200
Sodium deoxycholate	0.100
Indicator dye	0.030
Agar	15.000
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)

### 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 enumeration of coliform bacteria 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 pink 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 41.5°C for 7-18 hours.

Organism	Growth	Colour of Colony
<i>Escherichia coli</i> ATCC 25922	Luxuriant	Pink with bile precipitate
<i>Klebsiella pneumoniae</i> ATCC 13883	Luxuriant	Pink
<i>Enterococcus faecalis</i> ATCC 19433	Inhibited	-
<i>Staphylococcus aureus</i> ATCC 25923	Inhibited	-
<i>Proteus mirabilis</i> ATCC 25933	Luxuriant	Colourless

**Storage and Shelf Life**

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

**Reference**

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