

## HiTouch™ Flexi plate - M-TA

FL033

For isolation, enumeration of coliforms.

### Composition\*\*

Ingredients	Gms / Litre
Peptic digest of animal tissue	10.000
Yeast extract	6.000
Meat extract	5.000
Lactose	20.000
Tergitol	0.100
Bromothymol blue	0.050
Agar	16.000
1% Triphenyl Tetrazolium chloride solution	2.5 ml
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 sencond. 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 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 coliforms 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 green 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 after incubation at 35-37°C for 18-24 hours.

Organism	Growth	Colour of Colony
<i>Escherichia coli</i> ATCC 25922	Luxuriant	Yellow with red centre
<i>Enterobacter aerogenes</i> ATCC 13048	Luxuriant	Reddish brown
<i>Pseudomonas aeruginosa</i> ATCC 27853	Good	Red with bluish zone
<i>Proteus vulgaris</i> ATCC 13315	Good	Yellow with red centre
<i>Staphylococcus aureus</i> ATCC 25923	Inhibited	-
<i>S. serotype Typhimurium</i> ATCC 14028	Luxuriant	-
<i>S. serotype enteritidis</i> ATCC 13076	-	Red with bluish zone

### Storage and Shelf Life

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

### Reference

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