

## HiTouch™ Flexi Plate - Thermophilic Bacillus.

FL017

For enumeration (count) of thermophilic *Bacillus* .

### Composition\*\*

Ingredients	Gms / Litre
Casein enzyme hydrolysate	10.000
Dextrose	5.000
Indicator dye	0.040
Agar	15.000
Final pH ( at 25°C)	6.7±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 optimal growth of environmental microorganisms and the grids enable direct reading on the plates of the number of colonies per cm<sup>2</sup>.

These plates are specially developed for microbial testing, The Flexi plate medium formula is suitable for selective enumeration of thermophilic 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 Purple coloured firm gel

#### Quantity of Medium

9ml of gel in plastic plate

#### Reaction

6.50- 6.90

#### Sterility test

Passes release criteria

#### Cultural response

Cultural characteristics observed after incubation at 55°C for 48 hours.

## Cultural Response

Organism	Growth	Colour of Colony
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### Cultural response

<i>Bacillus coagulans</i> ATCC 8038	Good-luxuriant	Yellow
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<i>Bacillus brevis</i> ATCC 8246	Good-luxuriant	Yellow
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<i>Bacillus stearothermophilus</i> ATCC 7953	Good-luxuriant	Yellow
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## Storage and Shelf Life

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

## Reference

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