

## HiTouch™ Yeast and Mould Count *Flexi* Plate

FL006

For enumeration (count) of yeasts and mould (fungal) population.

### Composition\*\*

Ingredients	Gms / Litre
Potato infusion	200.000
Dextrose	20.000
Indicator dye	0.030
Agar	15.000
Final pH ( at 25°C)	5.6±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 yeast and mould(fungal) population 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

5.40- 5.80

#### Cultural response

Cultural characteristics was observed after incubation at 22-28°C for 48-72 hours.

#### Sterility test

Passes release criteria

Organism	Growth	Colour of Colony
<i>Candida albicans</i> ATCC 10231	Luxuriant	Pinkish white
<i>Saccharomyces cerevisiae</i> ATCC 9763	Luxuriant	Pinkish white

### Storage and Shelf Life

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

### Reference

- 1.Hall L., Hartnett M.J., Pub. (1964) Health Rep., 79,1021.
- 2.Pryor A.K., Mc Duff C.R., Exed Housekeeper. (1969) Mass.
- 3.Lenette E.H., Spauldine E.H., Truant J.P.Manual of Clinical Microbiology, 2nd ed., (1974) American Society for Microbiology.
- 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).
- 6."Guide du blonettoyage". Journal Officiel de la Republique Francaise. Recommandation NOE 1-90 (1991).

Revision : 1 / 2011



#### Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory,diagnostic,research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.