

HiTouch HexaCrome Flexi plate

FL031

For differentiation of six pathogenic organisms- *Escherichia coli* , *Klebsiella* , *Enterococcus* , *Proteus* , *Staphylococcus aureus* and *Pseudomonas* .

Composition**

Ingredients	Gms / Litre
Peptone special	18.000
Beef extract	6.000
Casein enzyme hydrolysate	4.000
Chromogenic indicator	12.450
Agar	15.000
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 second. Apply constant and uniform pressure to the whole surface (ensuring that an even pressure of 25 gm/cm² 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 cm².

Quality Control

Appearance

Sterile plastic plate containing light amber 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 observed after incubation at 35-37°C for 18-24 hours.

Organism	Growth	Colour of colony
<i>Staphylococcus aureus</i> ATCC 25923	Luxuriant	Golden yellow
<i>Escherichia coli</i> ATCC 25922	Luxuriant	Purple
<i>Enterococcus faecalis</i> ATCC 29212	Luxuriant	Blue-green, small
<i>Klebsiella pneumoniae</i> ATCC 13883	Luxuriant	Blue-green, mucoid
<i>Proteus mirabilis</i> ATCC 12453	Luxuriant	Light brown
<i>Pseudomonas aeruginosa</i> ATCC 27853	Luxuriant	Colourless(greenish pigment may be observed)

Storage and Shelf Life

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

Reference

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