Technical Data

HiTouch™ SCDA w/ Polysorbate 80 & Lecithin *Flexi* plate FL035

For determining the efficiency of sanitization of containers, equipment surfaces, water miscible cosmetics, etc. It can also be used to enumerate the organisms from water insoluble products and fatty products containing preservatives or antimicrobials.

Composition**

Ingredients	Gms / Litre
Casein enzymic hydrolystae	15.000
Papaic digest of soyabean meal	5.000
Sodium chloride	5.000
Lecithin	0.700
Polysorbate 80 (Tween 80)	5.000
Agar	15.000

**Formula adjusted, standardized to suit performance parameters

Directions

Open the pouch in the protected area . Remove the wrappping 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/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 determining the efficiency of sanitization of containers, equipment surfaces, water miscible cosmetics, etc. It can also be used to enumerate the organisms from water insoluble products and fatty products containing preservatives or antimicrobials and the grids enable direct reading on the plates of the number of colonies per cm2.

Quality Control

Colour
Sterile plastic plate containing light to medium amber coloured firm gel.

Quantity of Medium
9 ml of gel in plastic plate.

Reaction
7.10- 7.50

Cultural response
Cultural characteristics observed after incubation at 35-37°C for 18-24 hours.

Sterility test
Passes release criteria

Cultural Response

Organism	Growth
Cultural response	
Escherichia coli ATCC 25922	Luxuriant
Staphylococcus aureus ATCC 25923	Luxuriant
Pseudomonas aeruginosa ATCC 27853	Luxuriant (may have green pigment)

Storage and Shelf Life

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

Reference

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2. Richardson (Ed)., 1985, Standard Methods for the Examination of Dairy Products, 15th ed., APHA, Washington, D.C.
3. MacFaddin J.F., 1985, Media for Isolation-Cultivation-Identification-Maintenance of Medical Bacteria, Vol. I, Williams and Wilkins, Baltimore.
4. Brummer, 1976, Appl. Environ. Microbiol., 32:80.
5. Favero (Chairm), 1967, Biological Contamination Control Committee, a state of the art report., Am. Assoc. for contamination control.
6. Murray PR, Baron, Pfaller, and Yolken (Eds.), 2003, In Manual of Clinical Microbiology, 8th ed., ASM, Washington, D.C.

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