

LA1072/LA971

Discs Dispenser

(6 position with advanced design)

(8 position with advanced design)

The unique ergonomically designed single stroke, self tamping 6/8 position

Antibiotic Discs

Dispenser is profiled for users

convenience.



8 position with advanced design



6 position with advanced design

Discs Dispenser

For Hospitals and

Clinical Labs

Ergonomically

Designed 6/8 Position Antimicrobial
Single Disc Dispensing System

Self tamping

6/8 Discs neatly embed

into the Agar Surface

HiMediaLaboratories™

himedialabs.com

HIMEDIA®

For Life is Precious



Operation of Discs Dispenser

The HiMedia discs dispenser is a hand-operated device for placing Antimicrobial Susceptibility Test Discs on the surface of agar in a Petri dish. The device is available in 4 formats, combining 6/8 place presentation with an option of base ring suitable for 90mm Petri dish use.

The dispenser is compatible with HiMedia antimicrobial susceptibility test discs (SD) cartridges only.



Important

- * Operation of the Discs Dispenser should be carried out only in the vertical position. Operating the instrument in any other position is likely to cause problems.
- * Removal of cartridges from refrigerators allow to attain room temperature before use
- * Do not press plunger with empty cartridges

Features



Easily adjustable base ring. No tools required.



Precision positioning of discs equally spaces on 54mm circle

Storage



Store dispenser in its container with desiccant provided to protect from moisture. When not in use, store dispenser in its container at 2-8°C. On removal from refrigerators, allow to attain room temperature before use.

Operating



Adjust base ring to suit agar depth.



Place dispenser over Petri dish. Depress plunger in full and smooth continuous downward movement and release. Do not exert undue pressure on the plunger.



Load cartridges: ensure that they locate into place with a positive 'click'

Cleaning



Rinse with distilled water Fully dry dispenser at ambient temperature before use

Troubleshooting Guide



If the dispenser fails to dispense, please follow the next 6 steps in the order presented.



2. Check for empty cartridges (replace as necessary)



4. Remove all cartridges



6. Check for faulty discs remaining in cartridges (replace cartridge as necessary)



1. Do not depress plunger again



3. Check that the cartridge is fitted correctly



5. Check for discs trapped in dispenser. Avoid use of metal implements.

7. Consult local distributor in case of serious malfunction.

LA1072, Discs Dispenser 6 position LA971, Discs Dispenser 8 position with Advance Design Antibiotic Discs dispenser

The unique ergonomically designed single stroke, self tamping 6/8 position Antibiotic Discs Dispenser is profiled for users convenience.

This single hand operation dispenser consists of an 6/8 position-rotating turret with a vertical depressor tower. Labels of all discs cartridges (eight discs cartridges) can be viewed clearly by the operator while in use. Further the blue pushers pressing against the Discs within each cartridge are also visible through the clear plastic dome for easy detection of the cartridge that is exhausted. It is possible for the operator to neatly dispense 6/8 sensitive discs on the plate at a time. The operator has to simply arrange petriplates on LAF platform, use one hand (generally left) to lift the petriplate and other hand (generally right) to dispense the discs.

The self tamping device neatly tucks in all 6/8 discs onto the agar medium surface. Thus the dispensing activity can be done in quick succession for a large scale operation.

These dispensers are particularly suitable for hospitals where large scale antimicrobial testing is to be done in record time. Even for smaller laboratories, this minimizes the stress and toil of the lab technician, helping in maintaining high working efficiency.

Technique and preparation

When 6/8 discs are required to be placed onto a petriplate select discs cartridges as desired. Hold each of these horizontally and tap lightly on a hard table surface to ensure proper alignment of the discs inside. Now holding each cartridge vertically tap the dispensing end lightly on hard surface that all discs are in proper flat contact with one another.

Insert discs cartridges vertically into the circular receptacles. Ensure that each cartridge is fully inserted in its position and pressed tightly before operation. Remove their caps and place these discs vertically in predetermined sequence into the numbered holes so that each cartridge is fully pressed into the 'Click-Fit' position.

Now holding the dispenser at about 3" height from the table release it to fall gently on the table 3 or 4 times, to ensure that all the discs in all cartridges are in full contact with one another. The dispenser is now ready for operation.

Operation

Ensure as above that each cartridge is fully pressed into the 'Click-Fit' position.

For lower media volumes (approx. 15 ml), the outer surface should be fixed in position 5.

For intermediate media volumes (approx. 20 ml) the outer surface should be adjusted in position 6.

For High media volumes (approx 0.25ml) 25 ml medium, adjust the plunger height to position 7.

Now the dispenser is ready to use. The agar plates inoculated with the test culture can now be arranged on the table so that the dispenser can be positioned on them one after the other and the 6/8 discs dispensed as shown by pressing the tower cap gently. Depress fully and turn the plunger clockwise without stopping and release. The dispenser will place 6/8 discs and press them firmly onto the agar surface.

The plates are now ready for incubation.

When all the 50 Discs are dispensed from each of the cartridges the dispensing cycle is complete. If any one of the cartridges gets empty, the dispenser will not operate indicating thereby that the empty cartridges need to be discarded and new ones placed into position.

Cleaning

The Discs Dispenser should be cleaned using distilled water, if necessary with a few drops of liquid soap added to it. Finally rinse with clean distilled water and dry.

If some parts of the dispenser get contaminated for some reason, they can be sterilized by dipping the dispenser in ethanol diluted in water (70% v/v solution) for five minutes and final rinsing with clean distilled water. Make sure to dry the dispenser before use.

Important

Discs Dispenser LA1072 / LA971 is designed for use with 90mm diameter petri plates only. We recommend use of HiMedia petri plates code nos PW001 / PW1132 / PW1132G / PW1199 / PW1199G / PW1173 (sterile disposable) or PW008 (autoclavable).

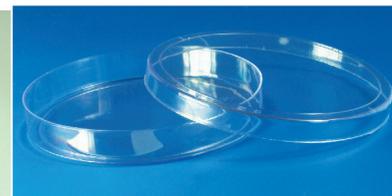
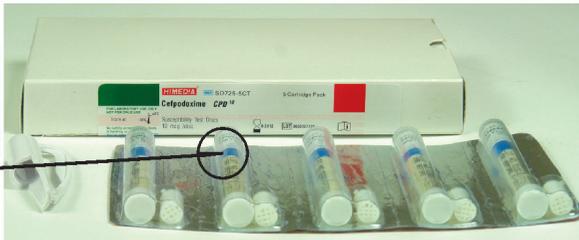
Do not use solvents like acetone, chloroform, xylene and water dispersible disinfectants like phenyl, dettol, savlon etc. for cleaning of dispenser.

HiMedia Sensitivity-Disc 1PK containing 5 CT = 5 X 50 Discs in plastic container



Suitable for Discs Dispenser LA1072/LA971

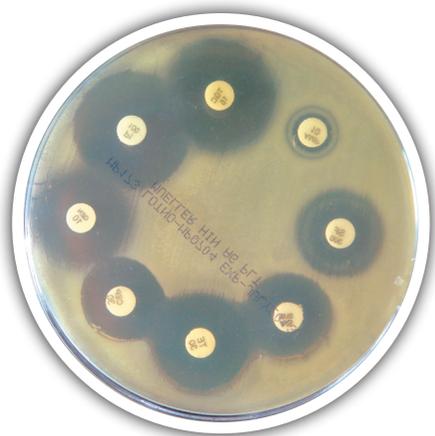
HiMedia Sensitivity Disc 5 CT = 5 X 50 Discs in blister pack



Petri Plate 90 mm diameter X 15 mm



Petri Plates Recommended For Discs Dispenser LA1072 / LA971



Autoclavable Petri Plates

PW008 Size : 90mm diameter x 15mm (Pack of 100 plates)

Sterile Disposable Petri Plates

PW001 Size : 90mm diameter x 15mm (Individually packed)

PW1132 Size : 90mm diameter x 15mm (Pack of 10 plates)

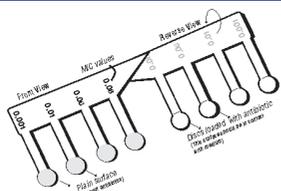
PW1132G Size : 90mm diameter x 15mm (Pack of 10 plates) (γ irradiated)

PW1199 Size : 90mm diameter x 15mm (Pack of 20 plates)

PW1199G Size : 90mm diameter x 15mm (Pack of 20 plates) (γ irradiated)

PW1173 Size : 90mm diameter x 15mm (Triple packed)

HiComb™ MIC Test Strip



Easy - accurate - fast

convenient and the most economical test

For the assessment of minimum inhibitory concentration (MIC) of antimicrobial agent

Features:

- HiComb™ MIC strip has two strips consists of a strip made of an inert material, with 8 extensions that carry the discs of 4 mm, resembling the 'tooth' of a comb.
- Unique Innovative design based on disc diffusion and gradient technique
- Provides equivalent results of MIC
- Determines MIC values by antimicrobial gradient technique
- Recommended for Antimicrobial Sensitivity Testing & Antimicrobial Resistance Testing
- Strips have antibiotic concentrations in successive gradations.
- Provides precise and accurate assessment of antimicrobial activity against both fastidious and non fastidious microorganism.

- Results & Interpretation
- The zone of inhibition created takes the form of ellipse.
- The MIC is read only on the side of the Comb at the point where the zone edge meet the strip edge.

Advantages :

- Easy to handle
- Allows detection of both low level and high level resistance
- More than one strip can be used on large plates of 150 mm plate in place of 90 mm.
- Comparison of MIC on one plate using different antibiotics made easy
- Has Continuous concentration gradient advantageous to detect resistance surveillance and suitable changes in susceptibility.

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HiMedia Laboratories Pvt. Ltd

www.himedialabs.com

- CORPORATE OFFICE -

Plot No. C-40, Road No. 21Y, MIDC, Wagle Industrial Estate, Thane (W) - 400604, Maharashtra, INDIA. Tel. : +91 22 6116 9797/6147 1919 Fax : 00-91-22-6147 1920 Email : info@himedialabs.com, www.himedialabs.com