

LA971- Carl Roth 1505.1

Discs Dispenser

(8 position with advanced design)

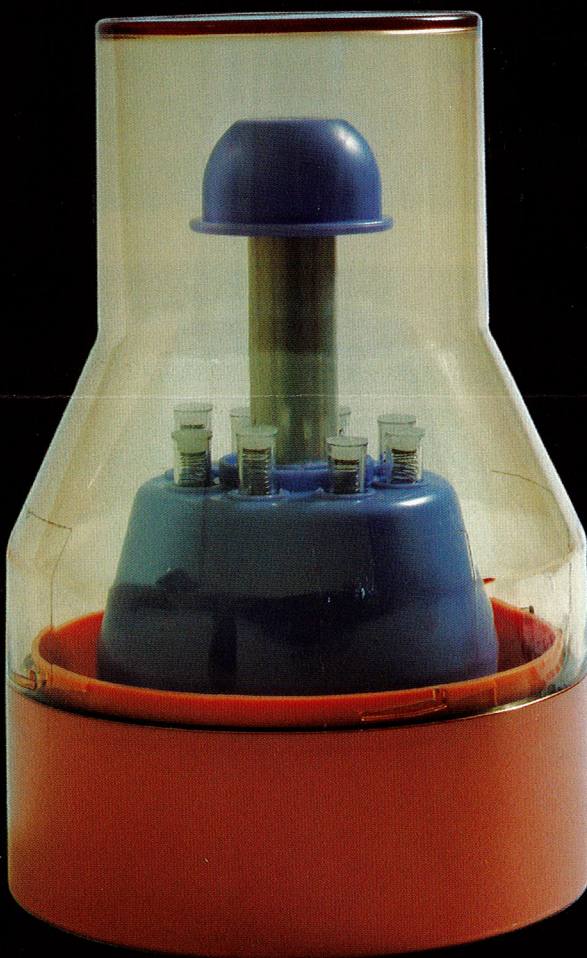
The unique ergonomically designed single stroke, self tamping 8 position Antibiotic Disc Dispenser is profiled for users convenience.

Discs Dispenser

For Hospitals and
Clinical Labs
Ergonomically
Designed
8 Position Antimicrobial
Single Disc Dispensing System

Self tamping

8 Discs neatly embed
into the Agar Surface



HiMediaLaboratories™

HiMedia Laboratories Pvt. Limited

HIMEDIA®

For life is precious



Operation of Disc Dispenser

The HiMedia disc 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 8 place presentation with an option of base ring suitable for either 90mm or 100mm Petri dish use.

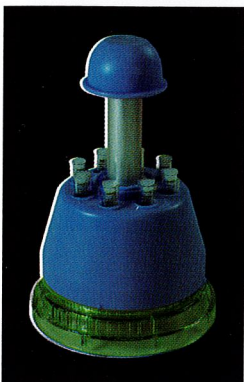
The dispenser is compatible with HiMedia antimicrobial susceptibility test disc (SD) cartridges only.



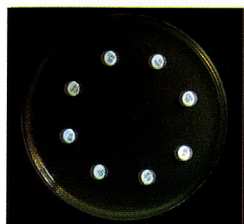
Important

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.

Features

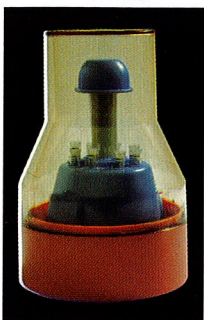


Easily adjustable base ring.
No tools required.



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.

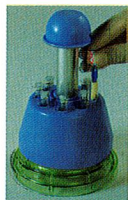
Operating



Adjust base ring to suit agar depth.

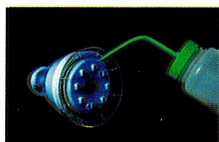


Place dispenser over Petri dish. Depress plunger in full and smooth continuous downward movement and release. Do not exert undue pressure on the plunger.



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)



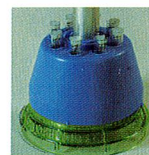
4. Remove all cartridges



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.

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LA971, Disc Dispenser 8 position with Advance Design Antibiotic Disc dispenser

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

This single hand operation dispenser consists of an 8 position-rotating turret with a vertical depressor tower. Labels of all disc cartridges (eight disc cartridges) can be viewed clearly by the operator while in use. Further the blue pushers pressing against the Hidiscs 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 8 sensitive disc 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 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 8 discs are required to be placed onto a petriplate select 8 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.

Now adjust the self tamping motion by manipulating the

plunger head height with the help of 2 screws provided on the circular periphery of the instrument. This is to be done to suit the agar levels in the plates, so that the discs are gently pressed into the agar surface.

For lower media volumes (approx. 15 ml), the screws on the outer surface should be fixed in position 8.

For intermediate media volumes (approx. 20 ml) the screws on the outer surface should be adjusted in position 9.

For High media volumes (approx 0.25ml) 25 ml medium, adjust the plunger height to position 10.

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 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 8/6 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 LA971 is designed for use with 90 mm 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.