Sterile Discs

SD067

Sterile discs can be used for testing antibiotic susceptibility testing by loading antibiotic of choice by the agar disc diffusion test.

Appearance:

Sterile filter paper discs of 6mm diameter.

Sterility Test:

Sterility of the discs checked for 14 days in Fluid Thioglycollate Medium (M009) at 30-35°C and Soyabean Casein Digest Medium (MH011) at 20-25°C.

Sample	Results in Alternative Thioglycollate Medium (M009)	Results in Soyabean Casein Digest Medium (MH011)
Test	Clear, no growth observed	Clear, No growth observed
Negative Control	Clear, no growth observed	Clear, No growth observed
Positive control	Luxuriant growth observed	Luxuriant growth observed

Application:

The sterile discs can be used to test a variety of antibiotics, carbohydrates, substrates and antiseptics on bacteria in Petri dishes. Apply test solution on the discs. Allow to dry, then place the discs onto an inoculated agar plate.

For antibiotic susceptibility test, after incubation measure the zones showing complete inhibition and record the diameters of the zones to the nearest millimeter using a calibrated instrument. Zone scales PW096, of dimensions 370 x 65 mm or PW297, a compact (pocket size) of dimensions 200 x 95 mm can be used to measure sizes of zones in the range of 10 - 40 mm.

Disposal:

After use, antibiotic discs and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques.

Limitation of Test:

These discs are used for semi-quantitative in vitro susceptibility testing by the agar disc diffusion test.

References:

1. Bauer, Kirby, Sherris and Turck, 1966, Am. J. Clin. Path., 45: 493
2. Performance Standards of Antimicrobial Susceptibility Testing; 35th Edition. M100-Ed.36, Vol.46, No. 1 Jan-2026.
3. EUCAST, Breakpoint tables for interpretation of MIC's & zone diameters, version 16.0, valid from 01.01.2026.
4. Isenberg, H.D. Clinical Microbiology Procedures Handbook. 2nd Edition, Vol. 1, Section 2.
5. Isenberg, H.D. Clinical Microbiology Procedures Handbook. 2nd Edition, Vol. 3, Section 15.
6. Jorgensen, J. H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock., D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.

Storage and Shelf-life:

Store at 2°C to 8°C. Use before expiry date on the label.

Not for Medicinal Use

IVD	In vitro diagnostic medical device
CE	CE Marking
On receipt store at -20°C 8°C	Storage temperature
	Do not use if package is damaged
	HiMedia Laboratories Pvt. Limited, C-40, Road No.21Y, MIDC, Wagle Industrial Area, Thane (W) 400604, MS, India
EC REP	AR Experts BV Boeingavenue 209 1119 PD Schiphol-Rijk The Netherlands

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