

BDR 006

Gram Positive ring with 12 antimicrobial discs.

SPECIFICATIONS:

COLOUR: White to off white ring having 12 discs of 6 mm diameter each with abbreviation.

DIRECTIONS:

1. Prepare sterile plates of Mueller Hinton Agar (B263).
2. Prepare inoculum as per Bauer-Kirby Method-make a pure inoculum of culture. Inoculate pure single colony of test organism – E. coli (ATCC 25922) .S.aureus (25923) and ps.aeruginosa (27953), in 5ml Pre tested sterile SCDM (B040) in a test tube & incubate at 36 to 37 °C for 2 hours. Compare the inoculum turbidity with that of standard 0.5McFARLAND STANDARD (BA 132).
3. Dip a sterile swab into the standardized inoculum and press against the wall of the test tube to remove excess liquid.
4. Swab the plates by rotating in all directions till the plate becomes dry.
5. Place the antimicrobial ring on the swabbed plates aseptically with the help of alcohol dipped flame sterilized forcep. Press the ring properly on the plates.
6. Incubate the plates at 35 C - 37°C for 18- 24 hours.
7. Measure the zones showing complete inhibition and record the diameters of the zones to the nearest millimeter using a calibrated instrument like zone scales.(BL/AS/01)

RESULTS:

Average diameter of zone of inhibition is observed on Mueller Hinton Agar (B263) after 18-24 hours incubation at 37°C for standard cultures.

	Resistant Less than or =	Intermediate	Sensitive More than or =
Amoxycillin- clavulanate 30mcg AUG EC (ATCC 25922) SA (ATCC 25923) PS (ATCC 27853)	13 19 --	14-17 -- --	18 20 --
Cefotaxime 25mcg CTX EC (ATCC 25922) SA (ATCC 25923) PS (ATCC 27853)	No specification for all but test for all 3 and write in report		
Ceftriaxone-sulbactam 45mcg CRO EC (ATCC 25922) SA (ATCC 25923) PS (ATCC 27853)	- - --	- - --	31-37 24-30 16-21

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Cefixime 5mcg ZEM			
EC (ATCC 25922)	15	16-18	19
SA (ATCC 25923)	--	--	--
PS (ATCC 27853)	--	--	--
Levofloxacin 5mcg LBC			
EC (ATCC 25922)	13	14-16	17
SA (ATCC 25923)	15	16-18	19
PS (ATCC 27853)	13	14-16	17
Ciprofloxacin 5mcg CIP			
EC (ATCC 25922)	15	16-20	21
SA (ATCC 25923)	15	16-20	21
PS (ATCC 27853)	15	16-20	21
Imipenem/cilastatin 10/10ug IMP			
EC (ATCC 25922)	19	20-22	23
SA (ATCC 25923)	13	14-15	16
PS (ATCC 27853)	15	16-18	19
Cefuroxime 30mcg CXM			
EC (ATCC 25922)	14	15-17	18
SA (ATCC 25923)	14	15-17	18
PS (ATCC 27853)	--	--	--
Ofloxacin5mcg OFX			
EC (ATCC 25922)	12	13-15	16
SA (ATCC 25923)	14	15-17	18
PS (ATCC 27853)	12	13-15	16
Erythromycin 15mcg ERY			
EC (ATCC 25922)	--	--	--
SA (ATCC 25923)	13	14-22	23
PS (ATCC 27853)	--	--	--
Gentamycin 10 mcg GN			
EC (ATCC 25922)	12	13-14	15
SA (ATCC 25923)	12	13-14	15
PS (ATCC 27853)	12	13-14	15
Azithromycin 15mcg AZN			
EC (ATCC 25922)	--	--	--
SA (ATCC 25923)	13	14-17	18
PS (ATCC 27853)	--	--	--

USE: It is used for antimicrobial sensitivity for relevant test organisms for laboratory diagnosis.

Precautions :For Laboratory Use.

Storage: Below 8°C (preferably at -20°C)

Packing: 50 Rings Pack .

Disclaimer:

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