

**BD003**

**AMPICILLIN (A) 2,10,25 mcg**

**SPECIFICATIONS:**

**COLOUR:** White discs of 6 mm diameter with abbreviated name.

**DIRECTIONS:**

1. Prepare sterile plates of Mueller Hinton Agar (B263).
2. Make a pure inoculum of culture –S. aureus (ATCC 25923) to 0.1 O.D.
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 disc on the swabbed plates aseptically with the help of forcep. Press the disc properly on the plates.
6. Incubate the plates at 35 C - 37°C for 18- 24 hours.

**RESULTS:**

Measure the zone diameters in mm observed in the plates and compare them with the CLSI or non CLSI zone chart, as applicable.

As per Non CLSI (**Ampicillin-25mcg**)

Standard diameter for zone of inhibition in mm

Resistant.	Intermediate	Sensitive	
----	----	20-30 mm	Test organism - ( <b>E. coli</b> - ATCC 25922)
----	----	32-40 mm	Test organism- ( <b>S. aureus</b> - ATCC 25923)

As per Non CLSI (**Ampicillin-2mcg**)

Standard diameter for zone of inhibition in mm

Resistant.	Intermediate	Sensitive	
----	----	14-21 mm	Test organism - ( <b>E. coli</b> - ATCC 25922)
----	----	27-35 mm	Test organism- ( <b>S. aureus</b> - ATCC 25923)

As per CLSI (**Ampicillin-10 mcg**)

Standard diameter for zone of inhibition in mm

Resistant.	Intermediate	Sensitive	
≤ 13	14-16	≥ 17	Test organism – ( <b>E. coli</b> - ATCC 25922)
≤ 28	----	≥ 29	Test organism – ( <b>S. aureus</b> - ATCC 25923)

**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 discs in vial

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**TECHNICAL SHEET**

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