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TECHNICAL SHEET

BD101 Ketoconazole (KT 10,25,30 mcg)

SPECIFICATIONS:

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

DIRECTIONS:

1. Prepare sterile plates of Mueller Hinton Agar 2% Glucose w/ Methylene blue (B1807).
2. Prepare inoculum as per Bauer-Kirby Method-make a pure inoculum of culture. Inoculate pure single colony of test organism – C. albicans (ATCC 10231) in 5ml Pre tested sterile SCDM (B040) in a test tube & incubate at 36-37°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 forceps. Press the ring properly on the plates.
6. Incubate the plates at 36-37°C for 18- 24 hours.
7. Measure the zones showing complete inhibition and record the diameters of the zones to the nearest millimetre using a calibrated instrument like zone scales.

RESULTS:

Measure the zone diameters in mm observed in the plates and compare them with the non CLSI zone chart

Antimicrobial agent, micro-organism with ATCC number	Diameter of zone of inhibition			
	Interpretative criteria			Quality control limit in mm
	Sensitive	Intermediate	Resistant	
	mm or more	mm	mm or less	
Ketoconazole (KT 10 mcg) C. albicans (ATCC 12031)	--	--	--	18-22
Ketoconazole (KT 25 mcg) C. albicans (ATCC 12031)	--	--	--	26-31
Ketoconazole (KT 30 mcg) C. albicans (ATCC 12031)	--	--	--	31-40

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

Precautions : For Laboratory Use.

Storage: -20 to +8°C

Packing:50 discs in vial

Disclaimer:

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