

BDD022

BACITRACIN DISCS (B)

SPECIFICATIONS:

APPEARANCE: Sterile 6 mm diameter filter paper disc impregnated with 0.04 units of Bacitracin bearing letter "B"

Directions :

Prepare Tryptose Blood agar plates (B342) and inoculate with suspect organism by surface spreading to obtain confluent growth. Place the Bacitracin disc aseptically onto the inoculated surface and press gently. Invert the plates and incubate at 35-37°C in 5-10% CO₂ for 18-24 hours till growth appears. Observe the zone of inhibition around the disc.

Cultural response: On Tryptose Blood agar plates at 35-37°C for 18-24 hours

Organism (ATCC)	Diameter of zone of Inhibition
Streptococcus pyogenes (19615)	15 mm.

RESULTS:

A zone of inhibition \geq 14 mm. indicates susceptibility to Bacitracin and is presumptive of group A streptococci. For further confirmation serological grouping can be performed.

Precautions : For Laboratory Use.

USE: For identification and differentiation of Group A streptococci (especially *S. pyogenes*) from other beta haemolytic streptococci.

Storage: Store at 2-8°C

Packing : 50 discs per vial