

BDD026

NITRATE DISCS

SPECIFICATIONS:

APPEARANCE: Sterile 6 mm diameter filter paper disc

Directions :

1. Put nitrate discs aseptically in sterile 5 ml of Peptone water (B035) test tube inoculated with test organism.
2. Incubate at 35-37°C for 18-24 hours.
3. Add few drops of each reagent alpha naphthylamine and Sulphanilic acid after incubation in test tube.
4. If there is no pink colour formation, add pinch of zinc dust to confirm the absence of nitrate in the medium.

Cultural response:

Cultural characteristics after 18-24 hours at 35-37°C.

Organism(ATCC)	Nitrate Reduction
Escherichia coli(25992)	Positive (Red or pink colour)
Enterobacter aerogenes (13048)	Positive (Red or pink colour)
Salmonella thyphimurium (14028)	Positive (Red or pink colour)
Acinetobacter calcoaceticus (23055)	Negative reaction

RESULTS:

Nitrate reduction: A distinct red or pink colour

No Nitrate reduction: No colour.

Precautions : For Laboratory Use.

USE: For detection of nitrate

Storage: Between 2 to 8°C.

Packing : 50 discs per vial