

TECHNICAL SHEET

**BDD026**

**NITRATE DISCS**

**SPECIFICATIONS:**

**APPEARENCE:** paper disc of 6 mm diameter

**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.

<b>Organism (ATCC)</b>	<b>Nitrate Reduction</b>
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:** 2 to 8°C.

**Packing:** 50 discs per vial

**Disclaimer:**

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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