

OXIDASE REAGENT (Gordon-McLeod Reagent)**TR 020****Description:**

Blackish purple coloured solution.

Composition:

N, N-Dimethyl-p-phenylenediamine hydrochloride 0.15g
Distilled water 10ml

Directions To Use:

Grow test culture on nutrient agar slant (18-24 hours). Add 2-3 loops of reagent to the slant. Tilt tube to permit reagents to mix and flow over growth. Observe for color change – dark purple blue color on growth within 10-30 seconds indicates oxidase positive test. Use a positive and negative control.

Test Organisms (ATCC)	Colour	Oxidase Reaction
Neisseria gonorrhoeae (19424)	deep purple blue	positive
Pseudomonas aeruginosa (27853)	deep purple blue	positive
Staphylococcus aureus (25923)	no change in colour	negative
Vibrio cholerae (15748)	deep purple blue	positive

Application:

The reagent is used for detection of oxidase activity of a bacterial culture .

Storage and Shelf Life:

Store at room temperature. Use before expiry date on label.

Reference:

Jean F.Macfaddin,2000, Biochemical Tests for Identification of Medical Bacteria,3rd edition, Williams & Wilkins, Baltimore