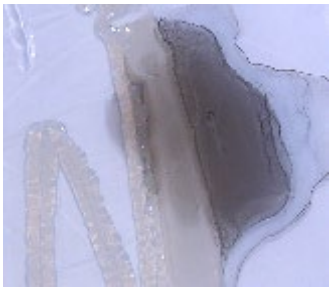
07345 Oxidase Reagent acc. Gaby-Hadley A

The reagent is used for detection of oxidase activity of bacterial culture along with Oxidase Reagent B acc. Gaby-Hadley.

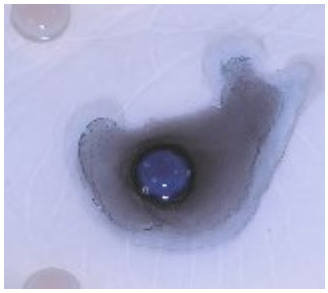
Composition:
alpha-Naphtol 1g
Ethanol (95%) 100ml

Directions:
Grow test culture on nutrient agar slant (18-24 hours). Add 2-3 loops of reagents A and B to slant. Tilt tube to permit reagents to mix and flow over growth. Observe for color change – dark purple blue color on growth, especially at the border of the colonies, within 2 minutes. Use a positive and negative control.

Test Organisms (ATCC)	Coloration	Oxidase
N. gonorrhoeae (19424)	deep purple blue	positive
P. aeruginosa (27853)	deep purple blue	positive
S. aureus (25923)	light blue purple	negative

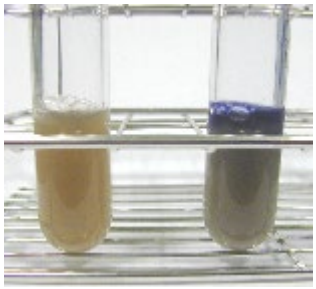


E. coli on a agar plate



Pseudomonas flourescence on a agar plate

paper discs impregnated with 2 drops of each reagent: left disc with *E. coli*; right disc with *Pseudomonas flourescence*



cultures with 2 drops of each reagent: left tube with *E. coli*; right tube with *Pseudomonas fluorescence*

References:

1. W.L. Gaby, C. Hadley, Practical laboratory test for the identification of *Pseudomonas aeruginosa*, J. Bacteriol., 74, 356-358 (1957)
2. A.L. Barry, K.L. Bernsohn, Methods for Storing Oxidase Test Reagents, Appl. Microbiology, Vol 17, No. 6, p 933-934, ASM (1969)

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.