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Section: Technical Manual	Subject Title: Oxidase (Spot Test Dropper)	
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OXIDASE (SPOT TEST DROPPER)

Principle

This test determines whether an isolate produces oxidase enzymes and is used for the identification of Neisseria species isolated from primary plates.

Reagents

Spot Test dropper. Store at room temperature.

Procedure

1. Hold the dropper upright and squeeze gently to crush the glass ampule inside the dispenser.
2. Add 2 - 3 drops directly to the colonies to be tested and observe for 30 seconds.

Interpretation

Positive: Development of a purple colour within 30 seconds

Negative: No colour change

Note: Colonies which are positive must be subcultured immediately since prolonged exposure will result in death of the organisms.

Quality Control

Test daily with known positive and negative controls.

P. aeruginosa (ATCC 27853) : positive
E. coli (ATCC 25922) : negative

References

1. Difco Spot Text Oxidase reagent package insert 1985.
2. MacFaddin JF, Biochemical Tests for Identification of Medical Bacteria, 2nd ed., Williams and Wilkins, Baltimore MD, 1980, p249-260.