

49825 DMACA Reagent

Fast and easy indole spot test for the detection from tryptophanase activity. Tryptophanase present in e.g. *E. coli* cleaves tryptophan to indole and α -aminopropionic acid. Dimethylaminocinnamaldehyde in the reagent builds with indole a blue-purple complex.

Composition

Dimethylaminocinnamaldehyde	1g
Hydrochloric acid (concentrated)	1.0ml
distilled water	99.0ml

Directions

With a platin wire loop, plastic loop or glass rod spread suspected colony from e.g. UTI *ChromoSelect* Agar, modified (16636) or Christensen's Urea Agar (27048) plate on filter paper. Add 1-2 drops of DMACA Reagent. Observe for appearance of blue-purple color within 10-30 seconds.

Quality control:

Test Organisms (ATCC)	Indole production
<i>Escherichia coli</i> (25922)	+
<i>Enterobacter aerogenes</i> (13048)	-

References

1. Gordon L.P., Damm M.A., Anderson J.D., Rapid presumptive identification of streptococci directly from blood cultures by serologic tests and the L-pyrrolidonyl- β -naphthylamide reaction. *J Clin Micro*, 2:238 (1987).
2. MacFaddin J.F., Biochemical tests for the identification of medical bacteria, 3rd ed. Philadelphia: Lippincott Williams & Wilkins (2000)

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.

