

Product: Kovac's (Indole) Reagent**Catalog Number:** iR95008**Lot Number:****Date of Release:****Expiration Date:****Application:**

For determination of the ability of microorganisms, primarily Enterobacteriaceae, to split indole (benzopyrrole) from the tryptophan molecule by tryptophanases.

Composition:

4-(Dimethylamino) benzaldehyde 0.5 g

Butanol 7.5 ml

HCl (concentrated) 2.5 ml

Directions:

Add 0.2-0.5 ml Kovac's Reagent to 5 ml of 24-48 hours' culture e.g., inoculated in Tryptone Water. The incubation time can be reduced to 4 hours by inoculating more cell material in a smaller volume (e.g., 0.5ml). Shaking slightly help extraction.

Quality control:

Appearance: Yellow solution.

Clarity: Clear solution without any particles.

Cultural Response: Add 0.2-0.5 ml Kovac's Reagent to 5 ml of 24-48 hours old culture e.g., incubated in Tryptone Water. The incubation time can be reduced to 4 hours by inoculating more cell material in a smaller volume (e.g., 0.5ml). Shaking slightly to help extraction.

Microorganism (ATCC)	Indole production
<i>E. aerogenes</i> (13048)	Negative (no red ring)
<i>E. coli</i> (25922)	Positive (red ring at the interface of the medium)

*ATCC is a registered trade mark of the American Type Culture Collection.

QC Department