

INDOLE BROTH (5 ML)

INTENDED USE:

Indol Broth is used for the detection of indole production for coliforms

PRINCIPLE AND INTERPRETATION:

Indole production can be determined by the production of a pink-red color complex upon application of Kovac's Reagent. If present, indole reacts with the aldehyde group of p-dimethylaminobenzaldehyde, the active chemical in Kovac's Reagent. Microorganisms that do not possess tryptophanase will not produce a pink-red color change upon application of the reagent.

COMPOSITION:

Ingredients	Gr/Liter
L-Tryptophan	10.0 gr
Sodium Phosphate	0.35gr
Potassium Phosphate	0.35gr

***Formula adjusted, standardized to suit performance parameters

pH: 7,5 ± 0,2

PRECAUTIONS:

For professional use only. Do not use tubes if they show evidence of microbial contamination, discoloration or other signs of deterioration.

TEST PROCEDURE:

Incubation at a temperature of 35±2°C and observed after 24-48 hours.

QUALITY CONTROL:

1.Sterility Control:

Incubation 2d at 30-35°C and 3d at 20-25°C: NO GROWTH

2.Physical/Chemical Control

pH: 7,5 ± 0,2

Apperance: Light to medium, yellow to tan

3.Microbiological Control: Incubation at a temperature of 35±2°C and observed after 24-48 hours.

Microorganism	Inoculum (CFU)	Results		Indole (Kovac's)	Colour
		Growth	Reaction		
Salmonella typhimurium ATCC 14028	10-100	Good	Good	-	Yellow halo
E. coli ATCC 25922	10-100	Good	Good	+	Pink to red halo

STORAGE CONDITIONS AND SHELF LIFE:

Store the prepared medium at 2- 12°C. Use before expiry date on the label.Do not use beyond stated expiry date.

DISPOSAL:

Incubated medium may contain active bacteria and micro-organisms. Do not open infected medium. Infected tube should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

PACKAGING:

Katalog Number: 01006

Content/Packaging:50 Tubes/Box

REFERENCES:

1. Tille, P., et al. Bailey and Scott's Diagnostic Microbiology, C.V. Mosby Company, St. Louis, MO.
2. Anderson, N.L., et al. Cumitech 3B; Quality Systems in the Clinical Microbiology Laboratory, Coordinating ed., A.S. Weissfeld. American Society for Microbiology, Washington, D.C.
3. Isenberg, H.D. Clinical Microbiology Procedures Handbook, Vol. I, II & III. American Society for Microbiology, Washington, D.C.
4. Jorgensen., et al. Manual of Clinical Microbiology, American Society for Microbiology, Washington, D.C.
5. Kovac, N. 1928. Zeit. Immunitest, Exper. Therap.; 53:311. Edel and Kampelmacher, 1973, Bull. W.H.O., 48:167.



Aseptic Sterile



Batch Code



Catalogue Number



Negative Controls



Positive Controls



Use by



Temperature
Limitation



Do not reuse



Contains sufficient
for <n> tests



Look at user manual



Manufacturer