

DEV Tryptophan Broth

This culture medium is intended for growing intermediate cultures in the differentiation of coliform bacteria when carrying out the bacteriological analysis of water as recommended in the German Standard Methods and the German drinking water regulation (1990).

The broth complies with the German regulations for the examination of foods.

Typical Composition (g/litre)

Peptone from meat 10.0; DL-tryptophan 1.0; sodium chloride 5.0.

Preparation

Suspend 16 g/litre, dispense into suitable containers, autoclave (15 min at 121 °C).

pH: 7.2 ± 0.2 at 25 °C.

The prepared broth is clear and yellowish-brown.

Experimental Procedure and Evaluation

The broth is inoculated with the pure culture to be tested and incubated according to DEV 4 to 6 hours at 35 °C aerobically.

Literature

Bundesgesundheitsamt: Amtliche Sammlung von Untersuchungsverfahren nach § 35 LMBG. - Beuth Verlag Berlin, Köln.

Deutsche Einheitsverfahren zur Wasser-, Abwasser- und Schlammuntersuchung. - VCH Verlagsgesellschaft, D-69469 Weinheim.

Verordnung über Trinkwasser und über Wasser für Lebensmittelbetriebe vom 12. Dezember 1990. - **Bundesgesetzbl., Teil I**; 2613-2629 (1990).

Ordering Information

Product	Merck Cat. No.	Pack size
DEV Tryptophan Broth	1.10694.0500	500 g
Bactiden® Indole (dropper bottle)	1.11350.0001	1 x 30 ml
KOVÁCS Indole Reagent	1.09293.0100	100 ml

Quality control

Test strains	Growth	Indole formation
Escherichia coli ATCC 25922	good / very good	+
Escherichia coli ATCC 11775	good / very good	+
Klebsiella pneumoniae ATCC 13883	good / very good	-
Proteus mirabilis ATCC 14153	good / very good	-
Salmonella typhimurium ATCC 14028	good / very good	-