

Caseinpeptone Bile-Agar

M&S item numbers: 5230 (25 x 20 ml) and 5231 (4 x 250 ml)

Application range: Caseinpeptone Bile-Agar (TBA, Tryptone Bile-Agar) is used for the detection and enumeration of *E. coli* in drinking water, waste water and other samples with the membrane filter method. The formulation complies with DIN EN ISO 9308-1:2000.

Formulation:
(typical)

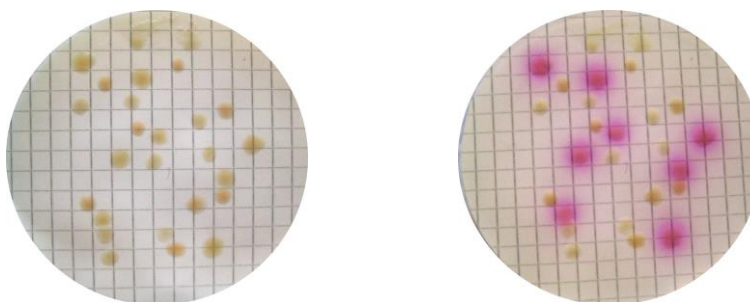
Peptone from Casein	20.0 g/l
Bile salts	1.5 g/l
Agar	15.0 g/l
pH 7.2 ± 0.2	
Color	beige

Storage: Dark and dry at 4 – 12 °C

Description: Caseinpeptone provides all necessary nutrient components for bacterial growth, whereas bile salts serve as inhibitors for accompanying gram-positive bacteria. After incubation the membrane filter is set on a filter paper, which was freshly impregnated with Indole reagent (not included in 5230 and 5231). Colonies of *E. coli* change the color to red.

Typical growth: Incubation at 44 ± 1 °C for 21 ± 3 hours

Microorganisms	Growth	Colony appearance
<i>Escherichia coli</i>	very good	beige, positive for Indole reaction indicated by red color
<i>Enterobacter aerogenes</i>	good	beige, negative for Indole reaction
<i>Pseudomonas aeruginosa</i>	no	-
<i>Staphylococcus aureus</i>	no	-



Mixed culture of *E. coli* and *Enterobacter aerogenes* after incubation (left picture) and after Indole test (right picture), colonies of *E. coli* are red