Tryptophan-Peptone-Water

M&S item number: 5220 (25 x 10 ml)

Application range: tryptophan-Peptone-Water is used for the differentiation of coliform bacteria in drinking water and other samples. The composition complies with DIN EN ISO 9308-1:2000.

Formulation: (typical)

Peptone from Casein	10.0 g/l
L-Tryptophan	1.0 g/l
Sodiumchloride	5.0 g/l
pH 7.5 ± 0.2	
Color	clear, light yellow

Storage: Dark and dry at 4 – 12 °C

Description: After incubation of a suspicious candidate some drops of Kovacs' reagent are added to the medium. A positive reaction, which means formation of indole from tryptophan, is shown by a color change of the medium to red.

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

Microorganisms	**Growth**	**Color change after addition of Kovacs' reagent**
Escherichia coli	very good	red
Enterobacter aerogenes	very good	-
Citrobacter freundii	very good	-

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