



Tryptophane Peptone-Water

Version: 07/2022
M&S item numbers: 5220 (25 x 10 ml)
Profile: Glass tubes
Color: Yellowish
Storage: Dark and dry at 4 – 12 °C
Shelf life: 8 months after production

Description and application range

Tryptophane Peptone-Water is used for the differentiation of coliforms in mineral and table water products (Min/TafelWV), drinking water and other samples. The formulation complies with DIN EN ISO 9308-1:2017. Adding some drops of Kovacs reagent after sample incubation is necessary. Red coloring shows Indol formation from Tryptophane as a positive reaction. The medium is manufactured and quality tested in compliance with ISO 11133:2014 + Amd. 2:2020 standard.

Typical composition

Enzymatic digest of casein	10.0 g/l
L-Tryptophane	1.0 g/l
Sodium chloride	5.0 g/l

Final pH: 7.5 ± 0.2 at 25 °C

Microbiological quality control

Bacterial contamination

Incubation: aerobically at room temperature for 3 days, specification: no growth

Productivity qualitative analysis

Incubation: aerobically at 37 ± 1 °C for 24 ± 2 h

Microorganism	Test strain	Specification	Appearance
<i>Escherichia coli</i>	WDCM 00012	Turbidity, Red coloring with Kovacs reagent	Turbidity, Red coloring with Kovacs reagent
<i>Escherichia coli</i>	WDCM 00013	Turbidity, Red coloring with Kovacs reagent	Turbidity, Red coloring with Kovacs reagent
<i>Escherichia coli</i>	WDCM 00179	Turbidity, Red coloring with Kovacs reagent	Turbidity, Red coloring with Kovacs reagent
<i>Enterobacter aerogenes</i>	WDCM 00175	Turbidity, no coloring with Kovacs reagent	Turbidity, no coloring with Kovacs reagent
<i>Citrobacter freundii</i>	DSM 30039	Turbidity, no coloring with Kovacs reagent	Turbidity, no coloring with Kovacs reagent