

# ChroMedium Coliform (Chromogenic Coliform Agar, CCA)

TN 1064 500 g



## Intended use

Chromogenic selective agar to detect *Escherichia coli* and coliform bacteria from water with low accompanying flora (acc. to the draft standard DIN EN ISO 9308-1:2012) and from processed food.

## Form

Powder

## Colour

Beige

## Storage

Dry, tightly closed, at 10...25 °C.

## Shelf life

2 years

## Directions

Suspend 28.9 g in 1 litre distilled water and heat carefully while stirring until completely dissolved, or heat for 30-40 minutes in a steam heater. Do not autoclave! Mix well and pour plates.

## Typical composition

Casein peptone	1.0
Yeast extract	2.0
Sodium chloride	5.0
Sodium hydrogen phosphate	2.2
Disodium hydrogen phosphate	2.7
Sodium pyruvate	1.0
Sorbitol	1.0
Tryptophan	1.0
Tergitol-7	0.15
6-Chloro-3-indoxyl-β-D-galactopyranoside	0.2
5-Bromo-4-chloro-3-indoxyl-β-D-glucuron acid	0.1
Isopropyl-β-D-thiogalactopyranoside (IPTG)	0.1
Agar	12.5

## Final pH at 25 °C

6.8 ± 0.2

## Microbiological quality control

Incubate ChroMedium Coliform aerobically for 18-24 hours at 36 ± 1 °C.

Test strain	CFU/ Plate	Recovery	Test/ Inoculum in %	Colony morphology
<i>Escherichia coli</i> ATCC 25922	10-100	≥ 70 %		dark blue to violet colonies
<i>Escherichia coli</i> ATCC 10536	10-100	≥ 70 %		dark blue to violet colonies
<i>Escherichia coli</i> ATCC 8739	10-100	≥ 70 %		dark blue to violet colonies
<i>Citrobacter freundii</i> ATCC 8090	10-100	≥ 70 %		pink to red colonies
<i>Enterobacter aerogenes</i> ATCC 13048	10-100	≥ 70 %		pink to red colonies
<i>Proteus mirabilis</i> ATCC 29906	10-100	≥ 70 %		colourless colonies inhibited swarming
<i>Pseudomonas aeruginosa</i> ATCC 27853	10-100	≥ 70 %		colourless colonies
<i>Enterococcus faecalis</i> ATCC 19433	100-1000	≤ 0,01 %		no growth
<i>Bacillus cereus</i> ATCC 11778	100-1000	≤ 0,01 %		no growth

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