



Product Specification Sheet


Chromogenic Coliform Agar (ISO)

A chromogenic medium for the detection and enumeration of coliforms in food and water samples.

For professional use only.

PO5318A
Revision Date: 01 December 2016

Thermo Scientific™ Chromogenic Coliform Agar (ISO)

Form of Product	Poured plate	
Storage	6 – 12°C, dark	
Filling weight	17 g ± 5 %	
Packaging	10 plates wrapped in foil	
pH	6.8 ± 0.2	
Colour	Light ivory, transparent	
Shelf life	8 weeks	
Intended Usage	A chromogenic medium for the detection and enumeration of coliforms in food and water samples. For professional use only.	
Technique	Depends on the different methods. For information DIN EN ISO 9308-1	

Typical formulation*	g/l
Casein Peptone	1.0
Yeast Extract	2.0
Sodium chloride	5.0
Sodium dihydrogen phosphate x 2H ₂ O	2.2
Di-sodium hydrogen phosphate	2.7
Sodium pyrovate	1.0
Sorbitol	1.0
Tryptophane	1.0
Tergitol 7	0.15
6-Chloro-3-indoxyl-β-D-galactopyronoside	0.2
5-Bromo-4-chloro-3-indoxyl-β-D-glucuronic acid	0.1
Isopropyl-β-D-thiogalactopyranoside (IPTG)	0.1
Agar	12.5

* Adjusted as required to meet performance standards.

Quality Control

1. Control for general characteristics, labeling and printing.
2. Control for sterility
> 72 h @ 25 ± 1°C, aerobic
> 72 h @ 36 ± 1°C, aerobic
3. Biological control

Inoculum size for productivity: 50 – 120 cfu
 Inoculum size for selectivity: 10⁴ – 10⁵ cfu
 Inoculum size for specificity: < 10.000

Incubation conditions:
 18 – 48 h @ 36 ± 1°C, aerobic, Membranefiltration

Control Strain	Growth
<i>Escherichia coli</i> ATCC® 8739 (WDCM 00012)	0.5 - 2 mm dark blue to violet colonies
<i>Enterobacter aerogenes</i> ATCC® 13048 (WDCM 00175)	0.5 - 2 mm pink to red colonies
<i>Citrobacter freundii</i> ATCC43864(WDCM 00006)	0.5 - 2 mm pink to red colonies
<i>Pseudomonas aeruginosa</i> ATCC® 10145 (WDCM 00024)	Good growth, colourless cream colonies
<i>Enterococcus faecalis</i> ATCC® 29212(WDCM 00087)	No growth.

The formulation conforms to EN ISO 9308-1.
 Tested in accordance with ISO 11133:2014.



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