

OXOID PRODUCT SPECIFICATION

SELECTIVE ESCHERICHIA COLI /COLIFORM CHROMOGENIC AGAR **BO1014M**

Typical Formula,	grams per litre
Peptone	8.0
Di-sodium hydrogen phosphate	2.2
Sodium chloride	5.0
Potassium di-hydrogen phosphate	1.8
Sodium lauryl sulphate	0.1
Chromogenic mix	0.35
Agar	10.6

Preparation

Suspend Selective Escherichia coli/Coliform Chromogenic Agar (28.1g/litre) in deionised water. Heat to dissolve. Cool and dispense 100ml into final containers, 125ml Sirop bottles. Sterilise at 100°C for 15 minutes. When cooled, label each bottle and pack in units of 10 in labelled boxes.

Format

Ten sirop bottles with plastic screw cap closures in a box.

Labels

Label gives details of product name, product code, recommended storage temperature, lot number and expiry date.

Physical Characteristics

Physical Tests

pH	6.7 ± 0.2
Colour	Straw
Clarity	Clear
Fill weight	100g + 1.5g

Packaging and presentation :

General appearance of bottle and label should be satisfactory. Label data should be correct.

Sterility Test

Macroscopic examination should show no evidence of microbial growth after incubation at 20 - 24°C and 30 - 34°C for 5 days.

Bacteriological Tests Using Optimum Inoculum Dilution

Results after incubation at 35-39°C for 18 – 24 hours

Inoculum 10-100 colony forming units

<i>Escherichia coli</i>	ATCC 25922	Purple colonies
<i>Klebsiella pneumoniae</i>	ATCC 13883	Pink colonies
<i>Staphylococcus aureus</i>	ATCC 25923	Greater than or equal to a one log reduction in recovery when compared to a control medium.
		No growth or white/cream colonies
<i>Enterococcus faecalis</i>	ATCC 29212	Greater than or equal to a two log reduction in recovery when compared to a control medium.
		No growth or white colonies

Storage conditions

Store away from light at between 2 - 25°C.