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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
CHROMOGENIC UTI MEDIUM (CLEAR) CM1050		

CHROMOGENIC UTI MEDIUM (CLEAR)

CM1050

Typical Formula*

Peptone	grams per litre	15.0
Chromogenic mix		13.0
Agar		15.0

* adjusted as required to meet performance standards

Directions

Suspend 43.0g in 1 litre of distilled water. Bring to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C. Mix well and pour into sterile Petri dishes.

Physical Characteristics

Straw, free-flowing powder
 Colour on reconstitution – straw 1-2
 Moisture level - less than or equal to 7%
 pH 7.0 ± 0.2 at 25°C
 Clarity - clear
 Gel strength - firm, comparable to 15.0g/litre of agar

Microbiological Tests using Optimum Inoculum Dilution


Control Medium: Tryptone Soya Agar

Reactions after incubation at 37°C for 18 hours


Medium is challenged with 10-100 colony-forming units

<i>Escherichia coli</i>	ATCC®8739	1-2mm pink colonies
<i>Enterobacter aerogenes</i>	ATCC®13048	1-2mm purple/blue colonies
<i>Proteus mirabilis</i>	NCTC10975	1-2mm straw/brown colonies may exhibit some swarming
<i>Enterococcus faecalis</i>	ATCC®29212	Pinpoint-1mm blue/green colonies
<i>Staphylococcus aureus</i>	ATCC®25923	1-2mm cream colonies
<i>Citrobacter freundii</i>	NCTC8581	1-3mm blue/purple colonies

A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium.

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Indole may be detected by removing a few colonies, spreading onto filter paper and adding 1-2 drops of DMACA Indole reagent (dimethylamino cinnamaldehyde). *Escherichia coli* should be positive (blue/green) and *Enterobacter aerogenes* negative (colourless/pink).

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Update to new document format and correction of typographical/minor errors.	Change control	BT-CC-2263
Microbiological characteristics	Addition of Control Media and clarity of results criteria.	Change control	BT-CC-1927
Physical characteristics	Addition of colour on reconstitution.		