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TRYPTONE GLUCOSE EXTRACT AGAR CM0127		

## TRYPTONE GLUCOSE EXTRACT AGAR

CM0127

### Typical Formula\*

'Lab-Lemco' powder	grams per litre	3.0
Tryptone		5.0
Glucose		1.0
Agar		15.0

\*adjusted as required to meet performance standards

### Directions

Suspend 24g in 1 litre of distilled water. Bring to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes. Mix well before pouring. When the dilution of the original specimen is greater than 1 in 10, add 10ml of sterile 10% w/v solution of Skim Milk Powder (LP0031) per litre.

### Physical Characteristics

Straw, free-flowing powder  
 Colour on reconstitution – straw 2-3  
 Moisture level - less than or equal to 7%  
 pH -  $7.0 \pm 0.2$  at 25°C  
 Clarity - clear  
 Gel strength - firm, comparable to 15.0g/litre of agar

### Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Glucose Extract Agar

### Reactions after incubation at 32-35°C for 48 hours

Medium is challenged with 1E+04 to 1E+06 colony-forming units

<i>Enterococcus faecalis</i>	ATCC®19433	0.5-1mm white/cream colonies
<i>Streptococcus lactis</i>	ATCC®19435	0.5-2mm white/cream colonies

A satisfactory result is represented by reactions in accordance with the specification.

Additional challenging strains are employed


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Medium is challenged with 10-300 colony-forming units

Total viable plate count is performed using pasteurised milk sample seeded with Quality Control organisms in medium enriched with 1% v/v skimmed milk (reconstituted LP0031) after autoclaving and incubated at 37°C for 18 hours.

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

There shall be no thermophiles or mesophiles in sterilized media after incubation at 55°C and 37°C for 3 days.

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## Revision History

Section / Step	Description of Change	Reason for Change	Reference
Microbiological tests	Update of incubation time/temperature	Change control	BT-CC-0598
Entire Document	Update to new document format and correction of typographical/minor errors. Addition of control media and result criteria.	Change control	BT-CC-1924