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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
DRIGALSKI LACTOSE AGAR CM0531		

## DRIGALSKI LACTOSE AGAR

CM0531

### Typical Formula\*

	grams per litre	
Peptone		15.0
'Lab-Lemco' powder		3.0
Yeast extract		3.0
Sodium thiosulphate		1.0
Sodium desoxycholate		1.0
Lactose		15.0
Crystal violet		0.005
Bromothymol blue		0.08
Agar		11.0

\* adjusted as required to meet performance standards

### Directions

Add 49g to 1 litre of distilled water. Mix to dissolve and sterilize by autoclaving at 115°C for 15 minutes.

### Physical Characteristics

Light green, free-flowing powder  
 Colour on reconstitution – dark green  
 Moisture level - less than or equal to 7%  
 pH -  $7.4 \pm 0.2$  at 25°C  
 Clarity - clear  
 Gel strength - firm, comparable to 12.0g / litre of agar


### Microbiological Tests using Optimum Inoculum Dilution

#### Reactions after incubation at 37°C for 18 hours

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

<i>Salmonella typhimurium</i>	ATCC®14028	1-2mm blue colonies, darker blue centre
<i>Shigella sonnei</i>	ATCC®25931	1-2mm blue colonies
<i>Proteus mirabilis</i>	ATCC®12453	1-2mm blue colonies, green centre, no swarming
<i>Escherichia coli</i>	ATCC®25922	1-2mm yellow colonies
<i>Staphylococcus aureus</i>	ATCC®9144	No growth

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

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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. Addition of result criteria.	Change control	BT-CC-1924