	Document Owner Department: QC	BT-SPEC-0358
		Page 1 of 2
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
LYSINE DECARBOXYLASE BROTH CM0308		

LYSINE DECARBOXYLASE BROTH
(5 x 20 tablets)

CM0308

Typical Formula*

grams per litre

Yeast extract	3.0
Glucose	1.0
L-lysine	5.0
Bromocresol purple	0.016

* adjusted as required to meet performance standards

Directions

Suspend 1 tablet in 5ml of distilled water in a screw-capped bottle. Sterilize by autoclaving at 121°C for 15 minutes.

Physical Characteristics

- Grey or blue/grey tablet
- Colour on reconstitution - purple
- Moisture level - less than or equal to 7%
- pH - 6.1 ± 0.2 at 25°C
- Clarity - clear
- Disintegration ratio - passes test
- Tablet pressure - 5+ Kp
- Tablet weight - 0.046-0.057g

Microbiological Tests Using Optimum Inoculum Dilution


Reactions after incubation at 37°C for 24 hours

Lysine decarboxylation

<i>Salmonella typhimurium</i>	ATCC®14028	Positive
<i>Edwardsiella tarda</i>	ATCC®15947	Positive
<i>Escherichia coli</i>	ATCC®25922	Positive
<i>Klebsiella pneumoniae</i>	ATCC®13883	Positive
<i>Citrobacter freundii</i>	ATCC®8090	Negative
<i>Shigella flexneri</i>	ATCC®25931	Negative
<i>Enterococcus cloacae</i>	ATCC®13047	Negative
<i>Proteus mirabilis</i>	ATCC®29906	Negative

- Positive reaction - purple colour
- Negative reaction - yellow colour

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

	Document Owner Department: QC	BT-SPEC-0358
		Page 2 of 2
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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Update to new format	Update to new format	BT-SOP-7767
Entire Document	Update to new document format and correction of typographical/minor errors.	Change control	BT-CC-1927