

	Document Owner Department: QC	BT-SPEC-0285
		Page 1 of 3
<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>MODIFIED LAURYL SULPHATE TRYPTOSE BROTH BASE (mLST) CM1133</b>		

**MODIFIED LAURYL SULPHATE TRYPTOSE BROTH BASE (mLST) CM1133**

**Typical Formula\***

	grams per litre	
Sodium chloride		34.0
Enzymatic digest of animal and plant tissue		20.0
Lactose		5.0
Potassium dihydrogen phosphate		2.75
Di-potassium hydrogen phosphate		2.75
Sodium lauryl sulphate		0.1

\* adjusted as required to meet performance standards

**Directions**

Dissolve 32.3g in 500ml of distilled water. Sterilize by autoclaving at 121°C for 15 minutes. Cool to approximately 50°C and aseptically add the contents of 1 vial of Vancomycin Supplement (5mg) (SR0247E) reconstituted as directed. Mix well and aseptically dispense into sterile containers.

Where possible the complete medium should be prepared on the day of testing and stored for no longer than 1 day at 0-5°C.

**Physical Characteristics**

Straw, free-flowing powder  
 Colour on reconstitution - straw 3  
 Moisture level - less than or equal to 7%  
 pH - 6.8 ± 0.2 at 25°C  
 Clarity - clear

**Microbiological Tests Using Optimum Inoculum Dilution**

Control Medium: Tryptone Soya Agar

**Reactions after incubation at 44 ± 0.5°C for 24 ± 2 hours**

Tested with the addition of Vancomycin Supplement (5mg) SR0247E

Incubate broths at 44 ± 0.5°C for 24 ± 2 hours. Subculture onto Tryptone Soya Agar (CM0131) and incubate plates at 37 ± 1°C for 24 ± 2 hours

Medium is challenged with greater than or equal to 1E+05 colony-forming units/ml

*Cronobacter sakazakii*      ATCC®12868      1-2mm yellow colonies

	Document Owner Department: QC	BT-SPEC-0285
		Page 2 of 3
<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
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<i>Cronobacter sakazakii</i>	ATCC® 29004	1-2mm yellow colonies
<i>Cronobacter muytjensii</i>	ATCC® 51329	1-2mm yellow colonies
<i>Escherichia coli</i>	ATCC® 25922	1-2mm straw colonies

A satisfactory result is represented by recovery greater than or equal to 1E+05 cfu/ml.

<i>Staphylococcus aureus</i>	ATCC® 25923	No growth or 1-2mm straw colonies
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*Staphylococcus aureus* ATCC® 25923 is inhibited or shall produce at least a 4 log(10) reduction when compared to the control medium.

	Document Owner Department: QC	BT-SPEC-0285
		Page 3 of 3
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<b>MODIFIED LAURYL SULPHATE TRYPTOSE BROTH BASE (mLST) CM1133</b>		

### 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-1931