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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
SLANETZ AND BARTLEY MEDIUM CM0377		

SLANETZ AND BARTLEY MEDIUM

CM0377

Typical Formula*

	grams per litre	
Tryptose		20.0
Yeast extract		5.0
Glucose		2.0
Di-potassium hydrogen phosphate		4.0
Sodium azide		0.4
Triphenyltetrazolium chloride		0.1
Agar		10.0

* adjusted as required to meet performance standards

Directions

Suspend 42g in 1 litre of distilled water. With frequent agitation, bring gently to the boil to dissolve completely. Cool to 50°C. Mix well and pour into sterile Petri dishes. DO NOT AUTOCLAVE. DO NOT OVERHEAT.

Physical Characteristics

Straw, free-flowing powder
 Colour on reconstitution - straw 2-3
 Moisture level - less than 7%
 pH 7.2 ± 0.2 at 25°C
 Clarity - clear
 Gel strength - firm, comparable to 10.0g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

Control Media: Tryptone Soya Agar or Columbia Blood Agar Base enriched with 5% v/v horse blood, where appropriate

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Reactions after incubation at 36 ± 2°C for 44 ± 4 hours

Inoculation using membrane filtration technique

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

<i>Escherichia coli</i>	ATCC® 11775	No growth
<i>Pseudomonas aeruginosa</i>	ATCC® 27853	No growth

Negative strains are inhibited.

Testing performed in accordance with ISO11133:2014

Reactions after incubation at 36 ± 2°C for 44 ± 4 hours

Inoculation using membrane filtration technique

Medium is challenged with 50-120 colony-forming units

<i>Enterococcus faecalis</i>	ATCC® 29212	WDCM00087	0.5-1.5mm pink to maroon red colonies
<i>Enterococcus faecalis</i>	ATCC® 19433	WDCM00009	0.5-1.5mm pink to maroon red colonies
<i>Enterococcus faecalis</i>	CIP 106877	WDCM00176	0.5-1.5mm pink to maroon red colonies
<i>Enterococcus faecium</i>	ATCC® 6057	WDCM00177	0.5-1.5mm pink to maroon red colonies
<i>Enterococcus faecium</i>	NCTC 13169	WDCM00178	0.5-1.5mm pink to maroon red colonies

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

Inoculation using surface plate technique

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

<i>Escherichia coli</i>	ATCC® 25922	WDCM00013	No growth
<i>Escherichia coli</i>	ATCC® 8739	WDCM00012	No growth
<i>Staphylococcus aureus</i>	ATCC® 25923	WDCM00034	No growth
<i>Staphylococcus aureus</i>	ATCC® 6538	WDCM00032	No growth

Negative strains are inhibited

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Creation of ISO11133 section	Update to include testing of ISO11133:2014	Change control	BT-CC-1209
Testing performed in accordance with ISO11133:2014	Change colony morphology of <i>Enterococcus</i> from "deep red" to "pink to maroon red"	Change control	BT-CC-2218