OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

ROGOSA AGAR CM0627

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Typical Formula*

Tryptone	grams per litre	10.0
Yeast extract		5.0
Glucose		20.0
Sorbitan mono-oleate 'Tween 80'		1.0
Potassium dihydrogen phosphate		6.0
Ammonium citrate		2.0
Sodium acetate, anhydrous		17.0
Magnesium sulphate		0.575
Manganese sulphate		0.12
Ferric sulphate		0.034
Agar		20.0

* adjusted as required to meet performance standards

Directions

Suspend 82g in 1 litre of distilled water and bring to the boil to dissolve completely. Add 1.32ml glacial acetic acid and mix thoroughly. Heat to 90-100°C for 2-3 minutes with frequent agitation. Distribute into sterile containers. DO NOT AUTOCLAVE.

Physical Characteristics

Straw, free-flowing powder
Colour on reconstitution – straw 1-2
Moisture level - less than or equal to 7%
pH - 5.4 ± 0.2 at 25°C
Clarity - clear
Gel strength - firm, comparable to 20.0g/litre of agar

Microbiological Tests using Optimum Inoculum Dilution

Control Media: Tryptone Soya Agar or MRS Agar, where appropriate

Reactions after incubation at 30°C for 5 days under microaerophilic conditions

Medium is challenged with 10-100 colony-forming units

Lactobacillus fermentum	ATCC®9338	0.5-2.5mm grey/white colonies

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

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

Lactobacillus gasseri	ATCC®19992	0.5-2.5mm grey/white colonies
Lactobacillus helveticus	ATCC®15009	0.5-2.5mm grey/white colonies
Lactobacillus paracasei	ATCC®335	0.5-2.5mm grey/white colonies
Lactobacillus plantarum	ATCC®8014	0.5-2.5mm grey/white colonies
Pediococcus pentosaceous	ATCC®33314	0.5-2.5mm grey/white colonies
Enterococcus faecalis	ATCC®19433	No growth
Staphylococcus aureus	ATCC®25923	No growth

A satisfactory result is represented by growth in accordance with the specification. Negative strains are inhibited.

Additional challenging strains are employed.

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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	Change control	BT-CC-1924