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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
AGAR TECHNICAL (AGAR NO. 3) LP0013		

AGAR TECHNICAL (AGAR No.3)

LP0013

Description

A technical grade agar which conforms to the specifications of the U.S. Pharmacopoeia and A.P.H.A. Suitable for applications where clarity and compatibility are not of prime importance. It is of high gel strength and will give a firm gel 1.2% w/v.

Technical Information

Average Batch Analysis:

Appearance	Cream/white powder
Colour on reconstitution	White
pH (25°C)	6.0-7.5
Clarity	Faintly opalescent
Loss on drying	Less than 7.0%
Ash	Less than 3.2%
Ca	1500 - 4000ppm
Mg	350 - 900ppm
SO ₄	Less than 2.0%
Salmonella	Absent / 25g
Working Strength	1.2%

Microbiological Characteristics


The following tests are carried out:-

Freedom from Toxic Substances

Medium	Organism	Control Inoculum	Incubation	Result
Nutrient Broth No2 + 1.5% Agar	<i>Staphylococcus aureus</i> ATCC®9144	10-100 CFU	37°C for 18 hours	Cream colonies
	<i>Enterococcus faecalis</i> ATCC®29212	10-100 CFU	37°C for 18 hours	Cream colonies

Detection of Heat Resistant Bacteria (Thermophiles and Mesophiles)

Test	Medium	Incubation	Result
Thermophiles	Nutrient Broth No2 + 1.2% Agar	55°C for 72 hours	Absent
Mesophiles	Nutrient Broth No2 + 1.2% Agar	37°C for 72 hours	Absent

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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
Technical information	Addition of appearance, colour clarity and pH	Change control	BT-CC-1889