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<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>AGAR BACTERIOLOGICAL (AGAR NO. 1) LP0011</b>		

## AGAR BACTERIOLOGICAL (AGAR No.1)

LP0011

### Description

A bacteriological agar which is uniquely low in minerals and therefore has minimal inhibition of antibiotic diffusion. This agar is compatible with all the normal ingredients of culture media. A firm, clear gel is obtained at 1.5% w/v.

### Technical Information

Average Batch Analysis:

Appearance	Off-white to straw powder
Colour on reconstitution	Off-white to straw 1
pH (25°C)	6.0-7.5
Clarity	Clear
Loss on drying	Less than 10.0%
Ash	Less than 5.0%
Ca	Less than 325ppm
Mg	Less than 140ppm
Working strength	1.5%

### 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 document template Update to specification	Change control	BT-CC-1778
Technical information	Addition of appearance, colour clarity and pH	Change control	BT-CC-1889