

**OXOID QUALITY ASSURANCE  
PRODUCT SPECIFICATION**

**AGAR TECHNICAL (AGAR NO. 3)****LP0012****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 compatability 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

Loss on drying	: Less than 7.5%
Ash	: Less than 4.0%
Ca	: Less than 1500 ppm
Mg	: Less than 650 ppm
SO <sub>4</sub>	: Less than 2.5%
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/18 hours	Cream colonies
	<i>Enterococcus faecalis</i> ATCC® 29212	10 - 100 CFU	37°C/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/72 hours	Absent
Mesophiles	Nutrient Broth No2 + 1.2% Agar	37°C/72 hours	Absent