thermoscientific

PRODUCT SPECIFICATION

OXOID STANDARD PLATE COUNT AGAR (A.P.H.A.) BO0195T

Typical Formula*

	grams per litre
Yeast extract	2.5
Enzymatic digest of casein	5.0
Glucose	1.0
Agar	9.0

*adjusted as required to meet performance standards

Preparation
Suspend Plate Count Agar (17.5 grams / litre) in de-ionised water. Bring to the boil to dissolve completely. Cool and dispense 250ml into final containers, 300ml sirop bottles. Autoclave at 121°C for 15 minutes. When cool, label bottles and pack in units of 10 into labelled boxes.

Format
Ten sirop bottles with screw cap closures in a box.

Labels
Label gives details of product name, product code, recommended storage temperature, lot number and expiry date.

Physical Characteristics

pH	7.0 ± 0.2
Colour	Straw 1 to straw 2
Clarity	Clear
Fill weight	248.0 - 252.0g

Packaging and presentation
General appearance of bottle and label should be satisfactory. Label data should be correct.

Contamination check
Macroscopic examination should show no evidence of microbial growth after incubation at 20- 4°C and 30-34°C for 5 days.

Microbiological Tests Using Optimum Inoculum Dilution
(Microbiology is conducted after the agar has been melted by autoclaving at 100°C for 30 minutes, cooled to 45-50°C, then dispensed into Petri dishes and allowed to set).

Results after incubation at 28-32°C for 69-75 hours

Positive controls
Inoculum 50-120 colony forming units

Bacillus subtilis	ATCC® 6633 (WDCM 00003)	0.5-2.0mm straw colonies
Escherichia coli	ATCC® 25922 (WDCM 00013)	1.0-3.0mm straw colonies
Escherichia coli	ATCC® 8739 (WDCM 00012)	1.0-3.0mm straw colonies
Staphylococcus aureus	ATCC® 25923 (WDCM 00034)	2.0-3.0mm cream/straw colonies

Colony counts shall be equal to or greater than 70% of the control medium Tryptone Soya Agar.

Storage conditions

Store away from the light between 2 – 25ºC.

ATCC® registered trademark of American Type Culture Collection.

Tested in accordance with ISO 11133
Formulation of this medium conforms to ISO 4833.