WATER PLATE COUNT AGAR (ISO) **BO0055R**

Typical Formula

	grams per litre
Tryptone	6.0
Yeast extract	3.0
Agar	15.0

Preparation
Suspend Water Plate Count Agar (ISO), (24.0 grams / litre) in de-ionised water. Heat to dissolve. Cool and dispense 200ml into final containers, 250ml sirop bottles. Sterilise at 121°C for 15 minutes. When cooled, label each bottle and pack in units of 10 in 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

Physical Tests	
pH	7.2 ± 0.2
Colour	Straw
Clarity	Clear
Fill weight	200.0g ± 4.0g

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

Sterility Test
Macroscopic examination should show no evidence of microbial growth after incubation at 20-24°C and 30-34°C for 5 days.

Microbiological Tests Using Optimum Inoculum Dilution, using a pour plate method. (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 containing the test organisms).

Results after incubation at 20-24ºC for 64-72 hours as well as 35-39ºC for 40-48 hours

Positive controls
Inoculum 50-120 colony forming units

Bacillus subtilis ATCC® 6633 (WDCM 00003)	3 – 4 mm, cream colonies.
Escherichia coli ATCC® 25922 (WDCM 00013)	2 – 4 mm, cream colonies.
Staphylococcus aureus ATCC® 25923 (WDCM 00034)	1 – 2 mm, white colonies.

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

Storage conditions

Store away from the light between 2 – 10ºC.

Tested in accordance with ISO 11133:2014.