

# Product Specification Sheet

*Standard Plate Count Agar (APHA)*

Intended Usage: A medium for the enumeration of viable organisms in milk, water, food and dairy products.

For professional use only.

PO5013A	
Version: 13	Revision Date: September 2024

**Thermo Scientific™ Standard Plate Count Agar (APHA)**

Form of Product	Poured plate
Storage	2 – 12°C
Filling weight	17 g ± 5 %
Packaging	10 plates wrapped in film
pH	7.0 ± 0.2
Appearance	Ivory, transparent
Shelf life	14 weeks
Intended Usage	A medium for the enumeration of viable organisms in milk, water, food and dairy products. For professional use only.
Technique	Depends on the different methods. For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM0463.

Typical formulation*	g/l
Yeast extract	2.5
Pancreatic digest of casein	5.0
Glucose	1.0
Agar	15.0

\*Adjusted as required to meet performance standards.

## Quality Control

1. Control for general characteristics, labelling and printing.
2. Contamination check  
≥ 72 h @ 20 – 25 °C, aerobic  
≥ 72 h @ 30 – 35 °C, aerobic
3. Microbiological control

Positive Controls	Growth
<b>Inoculum 50 – 120 colony forming units (cfu), quantitative.</b> <b>Incubation conditions: 72 h + 3h @ 30 ± 1°C, aerobic</b>	
<i>Escherichia coli</i> ATCC® 8739™ <small>(WDCM 00012)</small>	2 – 8 mm, cream colonies.
<i>Staphylococcus aureus</i> ATCC® 25923™ <small>(WDCM 00034)</small>	1 – 4 mm, white colonies.
<i>Bacillus subtilis</i> ATCC® 6633™ <small>(WDCM 00003)</small>	3 – 10 mm, cream colonies.
Colony counts shall be ≥ 70% of the control medium TSA.	

Tested in accordance with ISO 11133

The formulation of this medium conforms to ISO 4833.

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