

**PRODUCT SPECIFICATION**

**OXOID MUELLER HINTON AGAR PLATE WITH SHEEP BLOOD (4mm) PB0431A**

**Typical Formula\***

	grams per litre
Beef dehydrated infusion from	300.0
Casein hydrolysate	17.5
Starch	1.5
Agar	17.0

**Addition**

Defibrinated sheep blood	50ml
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\*adjusted as required to meet performance standards

**Preparation**

Suspend Mueller Hinton Agar (38.0 grams / litre) in de-ionised water. Sterilise at 121°C for 15 minutes. Cool, aseptically add defibrinated sheep blood (50 ml / litre) as above, mix. Aseptically dispense into Petri dishes. Label dishes, wrap and label pack.

**Format**

Ten 90mm plates, wrapped in a single nylon film wrap. Each plate is ink-jet printed with (abbreviated) product name, product code, lot number and expiry date.

**Labels**

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

**Physical Characteristics**

pH	7.4 ± 0.2
Colour	Red
Clarity	Opaque
Fill weight	26.0 ± 0.5g

**Packaging and presentation**

General appearance of packaging and label should be satisfactory. Label data should be correct.

**Contamination Check**

Macroscopic examination should show no evidence of microbial growth after incubation at 30-34°C for ≥ 72 hours.

**Microbiological Tests Using Optimum Inoculum Dilution**

**Results after incubation at 35-37°C for 18-24 hours in 4-6% v/v carbon dioxide**

Positive controls

Inoculum 10 - 100 colony-forming units

*Streptococcus pneumoniae* ATCC®6305 Grey/ green colonies, α-haemolysis

Colony counts shall be greater than or equal to 50% of the control media (Chocolate Blood Agar).

**Results after aerobic incubation at 35-37°C for 18-24 hours**

<i>Staphylococcus aureus</i>	ATCC®25923	White/ grey colonies
<i>Escherichia coli</i>	ATCC®25922	Straw colonies

Colony counts shall be greater than or equal to 50% of the control medium (Tryptone Soya Agar).

**Storage conditions**

Store away from light at between 2-10°C.

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