



## TECHNICAL DATA SHEET

**DESCRIPTION** ANTIBIOTIC MEDIUM NO. 1 SEED AGAR, BOTTLED  
**SGL PRODUCT CODE** 3200

A medium recommended for the seed layer in the preparation of plates for the microbiological assay of antibiotics.

The medium complies with the specification in the European Pharmacopoeia (EP) 2.7.2 and the US Pharmacopoeia (USP) <81> Antibiotics – microbial assays.

### FORMULATION

Typical product composition\*:

COMPONENT	WEIGHT / VOLUME
Peptic digest of animal tissue	6.0 g
Pancreatic digest of casein	4.0 g
Yeast extract	3.0 g
Meat extract	1.5 g
Glucose	1.0 g
Agar	11.5 g
Purified water	1000 ml

\*Product may be adjusted and/or supplemented to meet performance criteria

### QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Opaque pale straw-coloured gel
pH at 20-25°C	7.9 ± 0.5

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 22-25°C for 5 days	No growth detected
Incubation at 35-37°C for 5 days	No growth detected
Incubation at 42-45°C for 5 days	No growth detected

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Bacillus subtilis</i> ATCC6633 NCTC10400 NMT 100 CFU inoculum	≥50% recovery compared to control at 35-37°C incubation after not more than 1 day
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788 NMT 100 CFU inoculum	≥50% recovery compared to control at 35-37°C incubation after not more than 1 day
<i>Staphylococcus aureus</i> ATCC 25923 NCTC 12981 NMT 100 CFU inoculum	≥50% recovery compared to control at 35-37°C incubation after not more than 1 day

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

Additional specification testing may be performed as requested by the customer.



Manufactured in compliance with ISO 9001 (Ref No FM37824) and tested in accordance with ISO 11133 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).