



## TECHNICAL DATA SHEET

**DESCRIPTION** BACILLUS CEREUS SELECTIVE AGAR (PEMBA), 90MM PLATES  
**SGL PRODUCT CODE** 7990P

A medium also known as polymyxin pyruvate egg yolk mannitol bromothymol blue agar used for the selective isolation of presumptive *Bacillus cereus* from food, animal feeds and environmental samples as described in ISO 11133 & ISO21871

### FORMULATION

Typical product composition\*:

COMPONENT	WEIGHT / VOLUME
Enzymatic Digest of Casein	1.0 g
Mannitol	10.0 g
Sodium Chloride	2.0 g
Magnesium Sulphate	0.1 g
Disodium Phosphate	2.5 g
Monopotassium Phosphate	0.25 g
Bromothymol Blue	0.12 g
Sodium Pyruvate	10.0 g
Egg yolk emulsion	50 ml
Polymyxin B	100,000IU
Agar	15.0 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, lime green coloured gel
pH at 20-25°C	7.2 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 20-25°C for 14 days	No growth detected
Incubation at 35-37°C for 14 days	No growth detected
Incubation at 42-45°C for 14 days	No growth detected



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Bacillus cereus</i> ATCC 11778 NCTC 10320 WDCM 00001 NMT 100 CFU inoculum	≥70% CFU recovery compared to control, blue colonies with precipitate around colonies at 35-37°C incubation after not more than 1 day
<i>Escherichia coli</i> ATCC 8739 NCTC 12923 NCIMB 8545 WDCM 00012	Total inhibition at 35-37°C incubation after not more than 1 day
<i>Escherichia coli</i> ATCC 25922 NCTC 12241 WDCM 00013	Total inhibition at 35-37°C incubation after not more than 1 day
<i>Bacillus spizizenii (subtilis)</i> ATCC 6633 NCTC 10400 WDCM 00003	Weak or good growth compared to control, yellow colour or no change without precipitate around colonies 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).