



TECHNICAL DATA SHEET

DESCRIPTION YERSINIA SELECTIVE ENRICHMENT AGAR (CIN), 90MM PLATES

SGL PRODUCT CODE 7992

A selective medium for the isolation of *Yersinia* species.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Peptone	22.5 g
Mannitol	20.0 g
Sodium chloride	1.0 g
Magnesium sulphate	0.01 g
Sodium pyruvate	2.0 g
Sodium deoxycholate	0.5 g
Neutral red	0.03 g
Crystal violet	0.001 g
Cefsulodin	0.015 g
Irgasan	0.004 g
Novobiocin	0.0025 g
Agar	12.0 g
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Clear, red gel
pH at 20-25°C	7.4 ± 0.2

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

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Yersinia enterocolitica</i> NCTC 12982	Good growth compared to control at 29-31°C after 18-24 hours. Red colonies with transparent border resembling a "bull's eye" appearance
<i>Escherichia coli</i> ATCC 8739 NCTC 12923	Total or partial inhibition compared to control at 29-31°C after 18-24 hours
<i>Salmonella typhimurium</i> ATCC 14028 NCTC 12023	Total inhibition compared to control at 29-31°C after 18-24 hours



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Staphylococcus aureus</i> ATCC 25923	Total inhibition compared to control at 29-31°C after 18-24 hours

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 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).