



TECHNICAL DATA SHEET

DESCRIPTION SPS AGAR, 90MM PLATES
SGL PRODUCT CODE 7117

Sulphite Polymyxin Sulphadiazine (SPS) agar is a selective medium designed to recover *Clostridium perfringens* in food samples.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of casein (tryptone)	15.0 g
Yeast extract	10.0 g
Sodium sulphite	0.5 g
Sulphadiazine	0.12 g
Iron citrate	0.5 g
Agar	13.9 g
Polymyxin B sulphate	0.01 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, pale yellow to buff coloured gel
pH at 20-25°C	7.0 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 20-25°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>Clostridium perfringens</i> ATCC 13124 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 35-37°C incubation under anaerobic conditions after 24-48 hours. Black colonies
<i>Clostridium sporogenes</i> ATCC 19404 NMT 100 CFU inoculum	≥30% CFU recovery compared to control at 35-37°C incubation under anaerobic conditions after 24-48 hours. Black colonies
<i>Escherichia coli</i> ATCC 25922	No growth detected at 35-37°C incubation under anaerobic conditions after 24-48 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).