



TECHNICAL DATA SHEET

DESCRIPTION SHAHADI FERGUSON AGAR (PERFRINGENS SFP), (OXOID),
90MM PLATES
SGL PRODUCT CODE 7144

A medium for the presumptive identification and enumeration of *Clostridium perfringens*.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of animal tissue	15.0 g
Enzymatic digest of soya bean	5.0 g
Yeast extract	5.0 g
Sodium metabisulphite	1.0 g
Ferric ammonium citrate	1.0 g
Kanamycin sulphate	0.012 g
Polymyxin B	30,000IU
Egg yolk emulsion	50.0 ml
Agar	19.0 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, opaque yellow coloured gel
pH at 20-25°C	7.6 ± 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 NCTC 8237 NMT 100 CFU inoculum	≥50% CFU recovery compared to control, black colonies with opaque halo at 36-38°C anaerobic incubation after not more than 22 hours
<i>Escherichia coli</i> ATCC 25922 NCTC 12241	Total inhibition at 36-38°C anaerobic incubation after not more than 22 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 in accordance with ISO 11133 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).