



TECHNICAL DATA SHEET

DESCRIPTION ISOSENSITEST AGAR + 5% LYSED HORSE BLOOD, 25ML FILL, 90MM PLATES

SGL PRODUCT CODE 7533L

A medium designed for antimicrobial susceptibility tests. The formulation has been carefully constructed to give to give a reproducible, semi-defined medium in which the undefined components were kept to a minimum. Isosensitest agar allows the growth of the great majority of micro-organisms without further supplementation, but the addition of horse blood may improve the results for some fastidious species. The medium is recommended by BSAC for use in their disc-diffusion method for antimicrobial susceptibility testing.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Hydrolysed casein	11.0 g
Enzymatic digest of animal tissue	3.0 g
Glucose	2.0 g
Sodium chloride	3.0 g
Soluble starch	1.0 g
Disodium hydrogen phosphate	2.0 g
Sodium acetate	1.0 g
Magnesium glycerophosphate	0.2 g
Calcium gluconate	0.1 g
Cobaltous sulphate	0.001 g
Cupric sulphate	0.001 g
Zinc sulphate	0.001 g
Ferrous sulphate	0.001 g
Manganous chloride	0.002 g
Menadione	0.001 g
Cyanocobalamin	0.001 g
L-Cysteine hydrochloride	0.02 g
L-Tryptophan	0.02 g
Pyridoxine	0.003 g
Pantothenate	0.003 g
Nicotinamide	0.003 g
Biotin	0.0003 g
Thiamine	0.00004 g
Adenine	0.01 g
Guanine	0.01 g
Xanthine	0.01 g
Uracil	0.01 g
Lysed horse blood	50 ml
Agar	8.0 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 coloured gel
pH at 20-25°C	7.4 ± 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>Streptococcus pneumoniae</i> ATCC 49619 NCTC 12977	Ciprofloxacin 1µg:14-21mm zone of inhibition at 35-37°C incubation after not more than 1 day
<i>Streptococcus pneumoniae</i> ATCC 49619 NCTC 12977	Erythromycin 5µg:23-36mm zone of inhibition at 35-37°C incubation after not more than 1 day
<i>Streptococcus pneumoniae</i> ATCC 49619 NCTC 12977	Chloramphenicol 10µg:21-29mm zone of inhibition at 35-37°C incubation after not more than 1 day
<i>Staphylococcus aureus</i> ATCC 9144 NCTC 6571 WDCM 00035	Chloramphenicol 10µg:21-26mm zone of inhibition at 35-37°C incubation after not more than 1 day
<i>Staphylococcus aureus</i> ATCC 9144 NCTC 6571 WDCM 00035	Erythromycin 5µg:25-29mm zone of inhibition 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 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).