TECHNICAL DATA SHEET

DESCRIPTION XLD AGAR (XYLOSE LYSINE DESOXYCHOLATE MEDIUM) DEEP FILL, 90MM PLATES
SGL PRODUCT CODE 7729

XLD agar is a medium also known as Xylose Lysine Deoxycholate agar. It is a selective growth medium used in the isolation of Salmonella and Shigella species from clinical specimens and in food, animal feed and in environmental samples from the food production area as described in ISO 6579-1 and as described in the European Pharmacopoeia (EP) 2.6.13, United States Pharmacopeia (USP) <61>, and ISO 11133.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Yeast extract	3.0 g
L-Lysine hydrochloride	5.0 g
Xylose	3.75 g
Lactose	7.5 g
Sucrose	7.5 g
Sodium desoxycholate	1.0 g
Sodium chloride	5.0 g
Sodium thiosulphate	6.8 g
Ferric ammonium citrate	0.8 g
Phenol red	0.08 g
Agar	13.0 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 or opaque, red/orange 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
Salmonella typhimurium ATCC 14028 NCTC 12023	Good growth compared to control, pink/red colonies with black centres at 35-37°C incubation after not more than 1 day
Salmonella abony NCTC 6017	Good growth compared to control, pink/red colonies with black centres at 35-37°C incubation after not more than 1 day
Escherichia coli ATCC 8739 NCTC 12923 NCTC 12923 NCIMB 8545	May be inhibited compared to control, yellow colonies at 35-37°C incubation after not more than 1 day
Enterococcus faecalis ATCC 19433 NCTC 775	Total 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 in accordance with ISO 11133 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).