



TECHNICAL DATA SHEET

DESCRIPTION XYLOSE LYSINE DESOXYCHOLATE (XLD) MEDIUM,
90MM PLATES

SGL PRODUCT CODE 8091

XLD agar is a medium also known as Xylose Lysine Desoxycholate (or Deoxycholate) agar. It is a selective growth medium used in the isolation of *Salmonella* and *Shigella* species from clinical specimens, food, animal feed and environmental samples from the food production area as described in 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 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>Salmonella typhimurium</i> ATCC 14028 NCTC 12023	Good growth compared to control, pink/red colonies with black centres at 35-37°C incubation after 24±4hours
<i>Salmonella abony</i> NCTC 6017	Good growth compared to control, pink/red colonies with black centres at 35-37°C incubation after 24±4hours
<i>Escherichia coli</i> ATCC 8739 NCTC 12923 NCIMB 8545	May be inhibited compared to control, yellow colonies at 35-37°C incubation after 24±4hours
<i>Enterococcus faecalis</i> ATCC 19433 NCTC 775	Total inhibition at 35-37°C incubation after not 24±4hours

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).