TECHNICAL DATA SHEET

DESCRIPTION XYLOSE LYSINE DEOXYCHOLATE (XLD) NEOGEN (EP/USP), 90MM PLATES

SGL PRODUCT CODE 7131

Xylose, lysine, deoxycholate (XLD) agar is a selective growth medium designed to recover *Salmonella* species typically from pharmaceutical and other healthcare samples. The formulation meets the requirements of European Pharmacopoeia 2.6.13 and US Pharmacopeia <62>.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Xylose	3.5 g
L-Lysine	5.0 g
Lactose monohydrate	7.5 g
Sucrose	7.5 g
Sodium chloride	5.0 g
Yeast extract	3.0 g
Phenol red	0.08 g
Agar	13.5 g
Sodium deoxycholate	2.5 g
Sodium thiosulfate	6.8 g
Ferric ammonium citrate	0.8 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 a minimum of 5 days	No growth detected
Incubation at 30-35°C for a minimum of 5 days	No growth detected
Incubation at 35-37°C for a minimum of 5 days	No growth detected

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
Salmonella abony NCTC 6017	Good growth compared to control, pink/red colonies with black centres at 30-35°C incubation after 18-24hours
Salmonella typhimurium ATCC 14028	Good growth compared to control, pink/red colonies with black centres at 30-35°C incubation after 18-24hours

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).