

XLD-Agar acc. to ISO 6579

Xylose Lysine Deoxycholate Agar

TN 1196 500 g



Intended use

Used for the isolation of salmonellae and shigellae from foodstuffs, clinical materials and pharmaceuticals.

Form

Powder

Colour

Red

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

5 years

Typical composition

Component	g/l
Yeast extract	3
L-Lysine hydrochloride	5
Xylose	3.75
Lactose	7.5
Sucrose	7.5
Sodium desoxycholate	1
Sodium chloride	5
Sodium thiosulfate	6.8
Iron (III) ammonium citrate	0.8
Phenol red	0.08
Agar	16.5

Directions

Suspend 57 g in 1 litre distilled water and boil carefully while stirring until completely dissolved. Do not autoclave! Mix well and pour plates.

Final pH at 25 °C

7.4 ± 0.2

Microbiological quality control

Test strain	ATCC no.	CFU/ plate	Growth, colony morphology
<i>Salmonella</i> Typhimurium	14028	10-100	good growth; colourless colonies with large black centre; culture medium unchanged or slightly reddish
<i>Salmonella</i> Typhimurium	13311	10-100	good growth; colourless colonies with large black centre; culture medium unchanged or slightly reddish
<i>Salmonella</i> Enteritidis	13076	10-100	good growth; colourless colonies with large black centre; culture medium unchanged or slightly reddish
<i>Shigella flexneri</i>	25929	10-100	good growth; small colourless colonies; culture medium red
<i>Shigella sonnei</i>	25930	10-100	good growth; small colourless colonies; culture medium red
<i>Proteus mirabilis</i>	29906	10-100	growth; yellow colonies with partly black centre; no swarming; culture medium partly yellow
<i>Escherichia coli</i>	8739	10-100	growth inhibited; whitish-yellow, opaque colonies; culture medium has yellow precipitate
<i>Escherichia coli</i>	25922	10-100	growth inhibited; whitish-yellow, opaque colonies; culture medium has yellow precipitate
<i>Staphylococcus aureus</i>	6538	10 ⁶	no growth
<i>Enterococcus faecalis</i>	29212	10 ⁶	no growth
<i>Enterococcus faecalis</i>	19433	10 ⁶	no growth
<i>Bacillus cereus</i>	11778	10 ⁶	no growth

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