

XLD Agar (Xylose Lysin Desoxycholat Agar) acc. to harm. EP/USP/JP

TN 1170 500 g



Intended use

Test für Salmonella. Culture medium for testing non-sterile products. This medium is based on the recommendations of the harmonised method according to harm. EP/USP/JP (2006).

Form

Powder

Colour

Red

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

5 years

Directions

Suspend 55.2 g in 1 litre distilled water and boil while stirring until completely dissolved. Cool down to 50 °C and pour plates.

Do not autoclave! Do not overheat!

Typical composition

Component	g/l
Yeast extract	3.0
L-Lysine	5.0
Xylose	3.5
Lactose-monohydrate	7.5
Sucrose	7.5
Sodium desoxycholate	2.5
Sodium chloride	5.0
Sodium thiosulfate	6.8
Ferric ammonium citrate	0.8
Phenol red	0.08
Agar	13.5

Final pH at 25 °C

7.4 ± 0.2

Microbiological quality control

Test strain	CFU/plate	Recovery rate Test/inoculum in %	Colony morphology	Incubation
<i>Salmonella Typhimurium</i> ATCC 14028	10-100	≥ 50 %	slightly reddish colonies with black centre, culture medium unchanged	aerobically, max. 18 h, 32.5 ± 2.5 °C
<i>Salmonella Abony</i> NCTC 6017	10-100	≥ 50 %	slightly reddish colonies with black centre, culture medium unchanged	aerobically, max. 18 h, 32.5 ± 2.5 °C
<i>Pseudomonas aeruginosa</i> ATCC 9027	10-100	≥ 50 %	colourless colonies, culture medium unchanged	aerobically, max. 18 h, 32.5 ± 2.5 °C
<i>Escherichia coli</i> ATCC 8739	10-100	≤ 5 %	growth inhibited, whitish-yellow, opaque colonies, culture medium has yellow precipitate	aerobically, max. 18 h, 32.5 ± 2.5 °C
<i>Enterococcus faecalis</i> ATCC 19433	≥10 ⁶	< 0.1 %	no growth	aerobically, min. 48 h, 32.5 ± 2.5 °C
<i>Staphylococcus aureus</i> ATCC 6538	≥10 ⁶	< 0.1 %	no growth	aerobically, min. 48 h, 32.5 ± 2.5 °C

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