XLD-Agar nach harm. EP/USP/JP (XLD)

Complies with Harmonised European Pharmacopoeia

Shorthand symbol:	XLD
Item number:	40-1170
Format:	Petri Dish, 90mm
Colour:	Red
Storage conditions:	Dry, in closed bag, at 4 – 10°C.
Shelf-life:	6 Months
pH:	7.4 ± 0.2 at 25°C

Intented use and fields of application

Xylose Lysine Desoxycholate Agar is a differential selective medium for the isolation and differentiation of Gram Negative enteric pathogens, especially Salmonella and Shigella, from foods, pharmaceutical and clinical samples. The medium is particularly well suited for the investigation, since other microorganisms are strongly inhibited from growth.

XLD allows for the differentiation of pathogens of non-pathogenic lactose-fermenting species as well as non-pathogenic microorganisms that ferment neither lactose nor sucrose. It is particularly suitable for the isolation of Shigella species, which often show no growth due to other toxic growth factors.

Typical composition in g/l

in g per 1 Litre Nutrient medium	
Yeast Extract	3
L-Lysine	5
Xylose	3.5
Lactose monohydrate	7.5
Saccharose	7.5
Sodium deoxycholate	2.5
Sodium thiosulphate	6.8
Ammonium Iron (III)-citrate	0.8
Phenol Red	0.08
Sodium chloride	5
Agar	13.5

*Adjusted as required to meet performance standards

Xebios Diagnostics GmbH
Telleringstraße 49 | D-40597 Düsseldorf
T. +49 (0) 211 78 88 07 - 00
E. info@xebios.com

Xebios is certified according to DIN EN ISO 9001. Our microbiological quality control is carried out by a microbiological laboratory accredited according to EN ISO/IEC 17025, in accordance with EN ISO 11133. (registration number of certificate: RvA-L 614)

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Microbiological quality control

The Microbiological Performance Test is carried out in accordance with the requirements of Pharm. Eur. (Microbiological Examination of non-sterile products in accordance with Chapter 2.6.13).

Productivity

Incubation conditions: 18 hours at 30-35°C; Inoculum concentration: 10–100 CFU

Organism	Type Strain	Specification	Colony morphology
Salmonella enterica ssp. Abony	NCTC 6017/WDCM 00029	Good growth	Colonies with black centre and a lightly transparent reddish zone due to the colour change of the medium

Selectivity

Incubation conditions: 18 hours at 30-35°C; Inoculum concentration: 10.000–1.000.000 CFU

Organism	Type Strain	Specification	Colony morphology
Escherichia coli	ATCC 8739/WDCM 00012	Complete inhibition	-
Enterococcus faecalis	ATCC 19433/WDCM 00009	Complete inhibition	-

Microbial Contamination

Incubation conditions: 5–7 days at 20–25°C and 5–7 days at 30–35°C

Specification
No microbial contamination

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