

XLD AGAR, PH EUR - USP

A selective and differential medium for the isolation and differentiation of Gram-negative micro-organisms, especially *Shigella* spp. according to PH EUR (Agar Medium K – Xylose Lysine Deoxycholate Agar – Harmonised).

Dehydrated media	
Code number:	500 g: XLD20500, 5 kg: XLD25000
Colour:	Pinkish
Appearance:	Homogeneous hygroscopic powder
pH before sterilization (25 °C):	7,2 – 7,6

Direction: Suspend **57 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Cool quickly! Mix well before pouring.

Warning!

The medium is heat sensitive.
No further sterilisation is necessary or desirable.

Prepared media	
Bottled media:	100 ml: XLD30100, 500 ml: XLD30500
Plated media:	55 mm: XLD50055, 90 mm: XLD50090
Colour:	Red
pH (25 °C):	7,3 – 7,5

Direction: Dispense the melted bottled media aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Yeast extract	3,00
L-Lysine	5,00
Lactose monohydrate	7,50
Sucrose	7,50
Xylose	3,50
Sodium thiosulphate	6,80
Sodium chloride	5,00
Sodium deoxycholate	2,50
Ferric ammonium citrate	0,80
Phenol red	0,08
Agar	15,30

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Escherichia coli</i>	ATCC 25922	Partially inhibited, yellow colonies with precipitate halo	
<i>Salmonella typhimurium</i>	ATCC 14028	Good, red colonies with black centre	
<i>Shigella sonnei</i>	ATCC 25931	Good, red colonies	
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited	

References: European Pharmacopoeia
ISO 6579

In vitro diagnostic – for professional use only!