

## XLD AGAR, ISO

A selective and differential medium for the isolation and differentiation of Gram-negative micro-organisms, especially *Shigella* spp. according to ISO 6579.

<b>Dehydrated media</b>	
Code number:	500 g: XLI20500, 5 kg: XLI25000
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.

<b>Prepared media</b>	
Bottled media:	100 ml: XLI30100, 500 ml: XLI30500
Plated media:	55 mm: XLI50055, 90 mm: XLI50090
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	3,75
Sodium thiosulphate	6,80
Sodium chloride	5,00
Sodium deoxycholate	1,00
Ferric ammonium citrate	0,80
Phenol red	0,08
Agar	16,60

**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:**

<b>Test strains</b>	Incubation temp: 37 °C	<b>Growth</b>	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:** ISO 6579

**In vitro diagnostic – for professional use only!**