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 and ISO 19250.

Dehydrated media	
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.

Prepared media	
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:

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

References: ISO 6579-1:2017; ISO 19250:2010

For professional use only!