

## YERSINIA AGAR BASE

A selective and differential medium for the isolation of *Yersinia enterocolitica* according to ISO 10273.

<b>Dehydrated media</b>	
Code number:	500 g: YAB20500, 5 kg: YAB25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,2 – 7,6

**Direction:** Suspend **30 g** in 500 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically the contents of **one vial of Yersinia (CIN) Selective Supplement (CIN80004)** reconstituted with 4 ml of sterile distilled water. Mix well before pouring.

<b>Prepared media</b>	
Bottled media bases:	100 ml: YAB30100, 500 ml: YAB30500
Plated media:	55 mm: YAB50055, 90 mm: YAB50090
Colour:	Purplish red
pH (25 °C):	7,3 – 7,5

**Direction:** Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

### FORMULA in g/l

Gelatin peptone	17,000
Casein peptone	1,500
Meat peptone	1,500
Yeast extract	2,000
Mannitol	20,000
Sodium pyruvate	2,000
Sodium chloride	1,000
Sodium deoxycholate	0,500
Magnesium sulphate x 7 H <sub>2</sub> O	0,010
Neutral red	0,030
Crystal violet	0,001
Agar	14,500

**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>Yersinia enterocolitica</i>	ATCC 27729	Good, red "bull's eye" colonies	
<i>Escherichia coli</i>	ATCC 25922	Inhibited	

**References:** Schiemann (1979) Can. J. Microbiol. 25: 1928.  
ISO 10273:2017

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