

YERSINIA (ITC) BROTH BASE

A selective enrichment medium for the detection of *Yersinia enterocolitica*.

Dehydrated media	
Code number:	500 g: YIT20500, 5 kg: YIT25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,7 – 7,1

Direction: Fill up **29 ml of DIASALM-MSRV Magnesium Chloride Solution (DSM80500)** to 500 ml with distilled water. Suspend **8 g of dehydrated medium** and heat gently to dissolve the medium completely. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically the contents of **one vial of ITC Potassium Chlorate Solution, Sterile (YIP80005)** and **one vial of ITC Selective Supplement (YIS80004)** reconstituted with 4 ml of sterile distilled water. Mix well and dispense aseptically into sterile test tubes.

Prepared media	
Bottled media bases:	100 ml: YIT30100, 500 ml: YIT30500
Tubed media:	150 x 15 mm: YIT40010 (10 ml)
Colour:	Green
pH (25 °C):	6,8 – 7,0

Direction: Supplement the bottled media bases with ITC Potassium Chlorate Solution, Sterile (YIP80005) and ITC Selective Supplement (YIS80004) according to the direction of the dehydrated media and dispense aseptically into sterile final containers. Media in tubes are ready to use.

FORMULA in g/l

Tryptone	10,00
Yeast extract	1,00
Sodium chloride	5,00
Malachite green	0,01

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 and tubed media protected from light at 2 – 8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 25 °C	Growth	Incubation time: 48 h
<i>Yersinia enterocolitica</i>	ATCC 27729	Good	
<i>Escherichia coli</i>	ATCC 25922	Inhibited	

References: ISO 10273: 2004

In vitro diagnostic – for professional use only!