

YERSINIA (ITC) BROTH KIT

A selective enrichment medium for the detection of *Yersinia enterocolitica* according to ISO 10273.

Dehydrated media	
Code number:	480 g: YIT20480, 4800 g: YIT24800
Packaging of 500 g:	480 g medium base + 2 x 900 ml ITC MgCl ₂ solution + 60 vial ITC Supplement
Packaging of 5000 g:	4,8 kg medium base + 18 x 1 litre ITC MgCl ₂ solution + 600 vial ITC Supplement
Appearance of medium base:	Beige, homogeneous hygroscopic powder
Appearance of magnesium chloride solution:	Water-clear, precipitation free solution
Appearance of supplement:	White homogeneous lyophilisate
pH before autoclaving (25 °C):	6,7 – 7,1

Direction: Fill up **30 ml of ITC Magnesium Chloride Solution** to 460 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 Supplement** reconstituted with 10 ml of sterile distilled water. Mix well and dispense aseptically into sterile test tubes.

Prepared media	
Bottled broth bases:	100 ml: YIT30100, 500 ml: YIT30500
Packaging of 100 ml bottled media:	90/100ml broth base + 1 vial supplement for 100ml
Packaging of 500 ml bottled media:	490/500ml broth base + 1 vial supplement for 500ml
Tubed media:	10 ml: YIT40010 (150 x 15 mm)
Colour:	Green
pH (25 °C):	6,8 – 7,0

Direction: Supplement the bottled media bases with ITC Supplement according to the direction of the dehydrated media and dispense aseptically into sterile final containers. Media in tubes are ready to use.

FORMULA OF COMPLETE MEDIUM in g/l

Tryptone	10,000
Yeast extract	1,000
Magnesium chloride x 6 H ₂ O	60,000
Sodium chloride	5,000
Potassium chlorate	1,000
Malachite green	0,010
Irgasan	0,001
Ticarcillin	0,001

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 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 10273:2017

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