

BOLTON BROTH BASE

A selective medium for the selective enrichment of *Campylobacter* spp according to ISO 10272.

Dehydrated media	
Code number:	500 g: BOB20500, 5 kg: BOB25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,2 – 7,6

Direction: Suspend **14 g** in 470 ml of distilled water and heat gently to dissolve the medium completely. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically **25 ml of sterile lysed horse blood** and the contents of **one vial of Campylobacter Selective Supplement, Bolton (CBS80004)** reconstituted with 4 ml of sterile distilled water. Mix well and dispense aseptically into sterile test tubes.

Prepared media	
Bottled media bases:	100 ml: BOB30100, 500 ml: BOB30500
Bottled media (complete):	100 ml: BOB30100-01, 225 ml: BOB30225-01
Bottled media (complete):	250 ml: BOB30250-01, 500 ml: BOB30500-01
Tubed media bases:	150 x 15 mm: BOB40010 (10 ml)
Tubed media (complete):	150 x 15 mm: BOB40010-01 (10 ml)
Colour of bottled and tubed media bases:	Yellowish
Colour of bottled and tubed complete media:	Dark red
pH (25 °C):	7,3 – 7,5

Direction: Supplement the bottled or tubed media bases according to the direction of the dehydrated media and dispense aseptically into sterile test tubes. Media in tubes are ready to use.

FORMULA in g/l

Meat peptone	10,00
Lactalbumin hydrolysate	5,00
Yeast extract	5,00
Sodium chloride	5,00
Sodium carbonate anhydrous	0,60
Sodium metabisulphite	0,50
Sodium pyruvate	0,50
α-Ketoglutaric acid, monopotassium salt	1,00
Haemin	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: 37 °C	Growth	Incubation time: 48 h
<i>Campylobacter jejuni</i> ATCC 33291		Good	
<i>Escherichia coli</i> ATCC 25922		Inhibited	

References: FDA (1988) Bacteriological Analytical Manual, 8th ed.
ISO 10272-1:2017

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