

ONPG BROTH BASE

A differential medium for the differentiation of bacteria on the basis of β -galactosidase activity.

Dehydrated media	
Code number:	500 g: ONB20500, 5 kg: ONB25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,1 – 7,5

Direction: Suspend **7,5 g** in 500 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 the contents of **one vial of ONPG Supplement (ONS80005)** reconstituted with 5 ml of sterile distilled water. Mix well and dispense aseptically into sterile test tubes.

Prepared media	
Bottled media bases:	100 ml: ONB30100, 500 ml: ONB30500
Tubed media:	100 x 12 mm: ONB40002 (2 ml)
Colour:	Yellowish
pH (25 °C):	7,2 – 7,4

Direction: Supplement the bottled 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

Peptones	9
Sodium chloride	5
Buffers	1

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 room temperature. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Escherichia coli</i> ATCC 25922		Positive, colour change to yellow	
<i>Salmonella typhimurium</i> ATCC 14028		Negative, without colour change	

References: Lowe (1962) J. Med. Lab. Technol. 19: 21.

In vitro diagnostic – for professional use only!