

A-1 BROTH BASE

A selective and differential medium for the detection of coliforms.

Dehydrated media	
Code number:	500 g: A1B20500, 5 kg: A1B25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,7 – 7,1

Direction: Suspend **31 g** in one litre of distilled water. Add **1 ml of Triton X-100 Supplement (TXS80100)**. Mix well and heat gently to dissolve the medium completely. Dispense into test tubes fitted with Durham tube and sterilise by autoclaving at 115 °C for 15 minutes.

Warning!

The medium is heat sensitive.
No further sterilisation is necessary or desirable.

Prepared media	
Bottled media:	100 ml: A1B30100, 500 ml: A1B30500
Tubed media:	150 x 15 mm: A1B40010 (10 ml)
Colour:	Yellowish
pH (25 °C):	6,8 – 7,0

Direction: Dispense the bottled media aseptically into sterile test tubes fitted with Durham tube. Media in tubes are ready to use.

FORMULA in g/l

Peptones	20,5
Lactose	5,0
Salicin	0,5
Sodium chloride	5,0

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	Good, with gas production	
<i>Salmonella typhimurium</i>	ATCC 14028	Good, without gas production	
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited	

References: Andrews and Presnell (1972) Appl. Microbiol. 23: 521.

In vitro diagnostic – for professional use only!