

LACTOSE PEPTONE BROTH, DEV

A differential medium for the cultivation and enumeration of coliforms.

Dehydrated media	
Code number:	500 g: LPB20500, 5 kg: LPB25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,0 – 7,4

Direction: Suspend **35 g** in one litre of distilled water and heat gently to dissolve the medium completely. Dispense into test tubes fitted with Durham tube and sterilise by autoclaving at 121°C for 15 minutes. Cool quickly!

Prepared media	
Bottled media:	100 ml: LPB30100, 500 ml: LPB30500
Tubed media:	150 x 15 mm: LPB40010 (10 ml)
Colour:	Purple
pH (25 °C):	7,1 – 7,3

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	20,00
Lactose	10,00
Sodium chloride	5,00
Bromocresol purple	0,02

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, colour change to yellow	
<i>Salmonella typhimurium</i> ATCC 14028		Good, without gas production and colour change	

References: DEV (1963) Bundesgesetzbl., Teil I: 2613444.

In vitro diagnostic – for professional use only!