

## LACTOSE (1%) PHENOL RED BROTH

A differential medium for the cultivation and presumptive identification of coliforms.

<b>Dehydrated media</b>	
Code number:	500 g: LFB20500, 5 kg: LFB25000
Colour:	Pinkish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,0 – 7,4

**Direction:** Suspend **25 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 115 °C for 15 minutes. Cool quickly!

### Warning!

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

<b>Prepared media</b>	
Bottled media:	100 ml: LFB30100, 500 ml: LFB30500
Tubed media:	150 x 15 mm: LFB40010 (10 ml) 100 x 15 mm: LFB40005 ( 5 ml)
Colour:	Red
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	10,00
Lactose	10,00
Sodium chloride	5,00
Phenol red	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 room temperature. Use before the expiry date on the label.

### Quality control:

<b>Test strains</b>	Incubation temp: 37 °C	<b>Growth</b>	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:** Murray et al. (1995) Manual of Clinical Microbiology, 6<sup>th</sup> ed.

**In vitro diagnostic – for professional use only!**