

LACTOSE SULPHITE BROTH BASE, PH EUR

A differential medium for the determination of H₂S production by *Clostridium perfringens* according to PH EUR (Broth Medium R).

Dehydrated media	
Code number:	500 g: LSU20500, 5 kg: LSU25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,9 - 7,3

Direction: Suspend **10,15 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 **10 drops (0,5 ml) of Sodium Metabisulphite Solution, Sterile (SMS80030)** and **10 drops (0,5 ml) of Ferric Ammonium Citrate Solution, Sterile (FAC80030)**. Mix well and dispense aseptically into sterile test tubes fitted with Durham tube.

Prepared media	
Bottled media bases:	100 ml: LSU30100, 500 ml: LSU30500
Tubed media:	150 x 15 mm: LSU40010 (10 ml)
Colour:	Yellowish
pH (25 °C):	7,0 - 7,2

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

FORMULA in g/l

Casein pepton	5,0
Yeast extract	2,5
L-Cysteine	0,3
Lactose monohydrate	10,0
Sodium chloride	2,5

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: 44 °C	Growth	Incubation time: 48 h
<i>Clostridium perfringens</i> ATCC 13124		Good, colour change to black (under anaerobic conditions)	

References: European Pharmacopoeia

In vitro diagnostic – for professional use only!