CLAUSEN MEDIUM BASE

A non-selective medium for sterility testing of sterile pharmaceutical preparations. The medium has better growth conditions than thioglycollate and also inactivates a large number of preservatives found in pharmaceutical products.

Dehydrated media	
Code number:	500 g: CLB20500, 5 kg: CLB25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,9 – 7,3

Direction: Suspend **40 g** in one litre of distilled water. Add **3 ml of TWEEN 80 Supplement (TWS80100)** and **5 ml of Glycerol Supplement (GLC80100)**. Mix well and keep the suspension at about 50 °C until the lecithin dissolves completely (20 – 30 min). The dissolution is ready when the medium is yellowish and slightly turbid, but exempt from any precipitate. Heat again with frequent agitation until the medium boils well. Dispense into final containers and sterilise by autoclaving at 121°C for 15 minutes.

Prepared media	
Bottled media:	100 ml: CLB30100, 500 ml: CLB30500
Tubed media:	150 x 15 mm: CLB40015 (15 ml)
Colour:	Yellowish, homogeneous turbid
pH (25 °C):	7,0 – 7,2

Direction: Dispense the bottled media aseptically into sterile final containers. Media in tubes are ready to use.

FORMULA in g/l

Peptones	23,700
L-Asparagine	1,250
L-Cystine	0,500
Glucose	6,000
Sodium chloride	2,500
Sodium citrate	1,000
Sodium thioglycollate	0,500
Sodium dithionite	0,400
Mg(II), Ca(II), Co(II), Cu(II), Fe(III), Zn(II), Mn(II) salts	0,410
Lecithin	1,000
Resazurin	0,001
Buffers	2,000
Agar	0,750

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: 48 h
Staphylococcus aureus	ATCC 29213	Good	
Clostridium perfringens	ATCC 13124	Good (under anaerobic conditions)	

References: Clausen (1956) Acta path. microbiol. scand. 38: 107.

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