

Product Name : Clausen Medium Base

A non-selective medium for testing the sterility of sterile pharmaceutical preparations.

CONTENTS (G/L)

Peptones	23.7
Glucose	6.0
Sodium Chloride	2.5
Sodium Citrate	1.0
Sodium Thioglycollate	0.5
Sodium Dithionite	0.4
L-Cystine	0.5
L-Asparagine	1.25
Lecithin	1.0
Mg(II), Ca(II), Co(II), Cu(II), Fe(III), Zn(II) and Mn(II) salts	0.41
Resazurin	0.001
Buffers	2.0
Agar	0.75
Tween 80	3.0
Final pH = 7.4 ± 0.2 at 25°C.	

PROCEDURE

Suspend 43.02 g in 1 L of distilled or deionized water. Before autoclave, add Glycerol supplement (MB-G1821). Mix well and boil to dissolve the medium completely. Sterilize by autoclaving at 121 °C for 15 minutes. Dispense into final containers.

INTERPRETATION

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

TECHNIC

Inoculate the specimen using a sterile swab to the medium. Incubate at 36 ± 1°C for 24 hours.

QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: beige.

Prepared medium

Appearance: opaque.

Color: tan.

Incubation conditions: 36 ± 1°C / 24 hours / anaerobically.

Microorganism	ATCC	Growth
<i>Staphylococcus aureus</i>	25923	good
<i>Clostridium perfringens</i>	13124	good

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STORE

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration are evident. Store prepared medium at 2-6°C.

REFERENCES

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

PACKAGE

Cat. No : MB-C2144 Clausen Medium Base	500 G
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