

Gelantin Lactose Medium

Recommended for the confirmation of *Clostridium perfringens*

Formula in grams per liter:

Gelatin	120,00	Tryptose	15,00
Lactose	10,00	Yeast Extract	10,00
Phenol Red	0,05		

Final pH: 7,5 ± 0,2 at 25 °C

Preparation:

Suspend 155 grams of the medium in one litre of distilled water. Heat agitating frequently until completely dissolved. Sterilize in autoclave at 121°C (15 lbs. sp.) for 15 minutes.

Uses:

This medium is used for the confirmation of *Clostridium perfringens*. The lactose fermentation is indicated by the presence of gas bubbles as well as a colour change of the medium from red to yellow.

C. perfringens usually liquifies the gelatin after 24-44 hours.

Microbiological Tests:

Microorganisms	Color change to yellow (Gas production)	Gelatinase
<i>Clostridium perfringens</i>	+	+
<i>Clostridium bifermentans</i>	-	+

