

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B1196	LACTOSE GELATIN MEDIUM					
Formula						
Ingredients :		gms/lit.				
Lactose		10.00				
Disodium phosphate		5.00				
Gelatin		120.00				
Phenol red		0.05				
Final pH (at 25°C) : 7.5 ± 0.2						
Directions :						
Suspend 135 grams in 1000 ml warm distilled water. Heat to boiling to dissolve the medium completely and dispense 10 ml amounts in 15x150 mm screw capped tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Just before use, heat to boiling to remove dissolved oxygen and cool rapidly to incubation temperature.						
Principle :						
The medium contains lactose which is fermented by the Clostridium species, mainly by Clostridium perfringens yielding acid and gas. Phenol red is the pH indicator which turns yellow at acidic pH. Gelatin is usually liquefied by Clostridium perfringens within 24-48 hours. Disodium phosphate buffers the medium.						
QC Tests – (I) Dehydrated Medium						
Colour :		Light yellow to pink				
Appearance :		Homogeneous free flowing slightly coarse powder				
(II) Rehydrated medium						
pH (post inspissation) :		7.5 ± 0.2				
Colour (post inspissation) :		Orange to red				
Clarity (post inspissation) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 48 -72 hrs. at 35-37°C when incubated anaerobically.						
MICROORGANISM (ATCC)		LACTOSE FERMENTATION	GELATIN LIQUEFACTION			
Clostridium perfringens (13124)		+	+			
Clostridium sporogenes (11437)		-	+			
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
Use :		It is used for detection of Clostridium species from food samples.				
Storage :		Dehydrated medium- below 30 ° C Prepared mediums- Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1196	135 g/l	3.703 lit	7.5 ± 0.2	Nil	121 ⁰ C/15 min	

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARK LABORATORIES publications.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

Rev: December 2020