

TECHNICAL SHEET

B1506	LACTOSE GELATIN MEDIUM, MODIFIED					
Formula						
Ingredients:		gms/lit.				
Tryptose		15.00				
Yeast extract		10.00				
Lactose		10.00				
Gelatin		120.00				
Phenol red		0.05				
Final pH (at 25°C) : 7.5 ± 0.2						
Directions :						
Suspend 15.5 grams in 100 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 :						
Tryptose and yeast extract provide essential growth nutrients. Lactose is the fermentable sugar and phenol red acts as fermentation indicator which changes from red to yellow due to acid production.						
QC Tests – (I) Dehydrated Medium						
Colour :		Beige to reddish pink				
Appearance :		Coarse free flowing powder				
(II) Rehydrated medium						
pH (post inspissation) :		7.5 ± 0.2				
Colour (post inspissation) :		Red				
Clarity (post inspissation) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed under anaerobic conditions, after an incubation at 35-37°C for 24-48 hours.						
MICROORGANISM (ATCC)		GROWTH		GELATIN LIQUEFACTION		
Clostridium perfringens (13124)		good		positive reaction		
Clostridium perfringens (12924)		luxuriant with acid and gas production.		positive reaction		
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 recommended for detection and enumeration of Clostridium perfringens from food samples as per International Organization for Standardization (ISO), 1985, enumeration of Clostridium perfringens Draft ISO/DIS 7937.				
Storage :		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1506		31.0 g/l	16.129 lit	7.5 ± 0.2	Nil	121°C/10 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.

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