

<b>B443</b>	<b>BUFFERED TRYPTONE GLUCOSE YEAST EXTRACT BROTH</b>					
<b>Formula</b>						
<b>Ingredients:</b>			<b>gms/litre</b>			
Casein enzymic hydrolysate			50.00			
Peptic digest of animal tissue			5.00			
Yeast extract			20.00			
Dextrose			4.00			
Disodium phosphate			5.00			
Sodium thioglycollate			1.00			
Final pH (at 25°C): 7.3 ± 0.2						
<b>Directions:</b>						
Suspend 8.5 grams in 100 ml distilled water. Heat, if necessary to dissolve the medium completely and dispense 15 ml into 20x150 mm test tubes or 100 ml in 170 ml bottles. Sterilize by autoclaving at 15 lbs pressure (121°C) for 8 minutes (tubes) or 15 minutes (bottles).						
<b>Principle:</b>						
Casein enzymic hydrolysate, peptic digest of animal tissue and yeast extract, which provides carbon and nitrogen, vitamins and other essential nutrients. Dextrose is the fermentable sugar. Disodium phosphate buffers the medium well. Sodium thioglycollate present in the medium acts as a reducing agent and maintains a low oxygen tension in the medium.						
<b>QC Tests – (I) Dehydrated Medium</b>						
Colour:			Cream to yellow			
Appearance:			Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :			7.3 ± 0.2			
Colour (post autoclaving/heating):			Light amber			
Clarity (post autoclaving/heating):			Clear solution without any precipitate			
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18-48 hours at 35-37°C.						
ORGANISM (ATCC)		GROWTH				
Clostridium botulinum (25763)		Good-luxuriant				
Clostridium perfringens (12924)		Good-luxuriant				
Clostridium sporogenes (11437)		Good-luxuriant				
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use:</b>		It is recommended for isolation and enumeration of Clostridium perfringens from food specimens				
<b>Storage:</b>		Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.				
<b>Packing:</b>		500 gm. bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B443</b>		85.0 g/l	5.882 L	7.3 ± 0.2	None	121°C / 15 minutes

**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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