

**TECHNICAL SHEET**

<b>B1215</b>	<b>M-HD ENDO BROTH W/ BG</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Casein enzymic hydrolysate		10.00			
Peptic digest of animal tissue		10.00			
Yeast extract		3.00			
Lactose		20.00			
Sodium deoxycholate		0.20			
Sodium chloride		5.00			
Dipotassium phosphate		6.00			
Sodium sulphite		2.10			
Brilliant green		0.14			
Final pH (at 25°C) : 7.5 ± 0.2					
<b>Directions :</b>					
Suspend 56.44 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. DO NOT AUTOCLAVE. Dispense as desired. It is preferable to use the medium on the same day of preparation.					
<b>Principle :</b>					
Casein enzymic hydrolysate, peptic digest of animal tissue and yeast extract as the sources of essential nutrients. Lactose is the fermentable carbohydrate and energy source. Sodium deoxycholate and brilliant green form the selective system against non-coliform bacteria including Shigella species. Sodium chloride maintains osmotic equilibrium while phosphate buffers the medium. Brilliant green along with sodium sulphite forms the indicator system. Sterile cotton absorbent pads are saturated with around 2 ml of M-HD Endo Broth w/ BG. Membrane filter through which the test water sample has been passed is aseptically placed on these cotton pads.					
<b>QC Tests - (I)Dehydrated Medium</b>					
Colour :		Cream to light green			
Appearance :		Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
pH (post autoclaving/heating) :		7.5 ± 0.2			
Colour (post autoclaving/heating) :		Dark green			
Clarity (post autoclaving/heating) :		Clear solution without any precipitate			
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18 -24 hrs.at 35-37°C.					
MICROORGANISM (ATCC )		GROWTH	Colour of colony (on membrane filter)		
Escherichia coli (25922)		Luxuriant	green with metallic sheen		
Enterobacter aerogenes (13048)		Luxuriant	green		
Salmonella Typhi (6539)		Luxuriant	colourless		
Staphylococcus aureus (25923)		Inhibited	---		
<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 the detection of coliform in highly polluted waters using membrane filter technique.				
<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>B1215</b>	56.44 g/l	8.858 L	7.5 ± 0.2	NIL	DO NOT AUTOCLAVE

Refer disclaimer overleaf

**TECHNICAL SHEET**

**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 BIOMARKLABORATORIES 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.