

**TECHNICAL SHEET**

<b>B1285</b>	<b>YERSINIA ENRICHMENT BROTH BASE</b>					
<b>Formula</b>						
<b>Ingredients:</b>		<b>gms/lit.</b>				
Casein peptone		10.00				
Yeast extract		1.00				
Disodium hydrogen phosphate		2.00				
Malachite green		0.013				
Final pH (at 25°C) : 5.8 ± 0.2						
<b>Directions :</b>						
Suspend 13.01 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired.						
<b>Principle :</b>						
Yersinia Enrichment Broth Base contains casein peptone and yeast extract providing necessary nutrients for growth of Yersinia. It has disodium hydrogen phosphate acting as buffer salt. Malachite green in the medium inhibits other contaminating bacteria.						
<b>QC Tests - (I) Dehydrated Medium</b>						
	Colour :	Light yellow to light blue				
	Appearance :	Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
	pH (post autoclaving/heating) :	5.8 ± 0.2				
	Colour (post autoclaving/heating) :	Greenish blue				
	Clarity (post autoclaving/heating) :	clear to slightly opalescent solution with a slight precipitate				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed at 25- 30°C for 24-48 hours.						
	MICROORGANISM (ATCC )	GROWTH				
	Yersinia enterocolitica (27729)	good-luxuriant				
	Escherichia coli (25922)	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 used for the enrichment of Yersinia species, in particular Yersinia enterocolitica from human and animal intestinal contents.				
<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>B1285</b>		13.01 g/l	38.43 L	5.8 ± 0.2	Nil	121°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.

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