

**BIOMARK Laboratories-INDIA**  
[www.biomarklabs.com](http://www.biomarklabs.com)  
**TECHNICAL SHEET**

<b>B1202</b>	<b>LEGIONELLA AGAR BASE</b>		
<b>Formula</b>			
<b>Ingredients :</b>		<b>gms/lit.</b>	
Charcoal activated		2.00	
Yeast extract		10.00	
Agar		13.00	
Final pH (at 25°C) : 6.9 ± 0.2			
<b>Directions :</b>			
Suspend 12.5 grams in 440 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C and aseptically add contents of 1 vial of Legionella Growth Supplement (BCYE) (BF131). In case of non-incorporation of Legionella (GVPC) Selective Supplement (BF132) or Legionella GVPA Selective Supplement, Modified, add aseptically 10 ml sterile distilled water to bring the total volume to 500 ml of medium. The final pH of the medium will be 6.9 ± 0.2. Mix well and pour into sterile petri plates. Stir the medium while dispensing to prevent the settling of charcoal particles. If desired, the medium can be made selective by aseptically adding rehydrated contents of 1 vial of either Legionella BMPA Selective Supplement (BF133) or Legionella (GVPC) Selective Supplement, (BF132) or Legionella GVPA Selective Supplement, Modified, along with 1 vial of Legionella Growth Supplement (BCYE)(BF131) to 440 ml sterile molten, cooled Legionella Agar Base. Simultaneously, a medium without L-Cysteine may be prepared by adding aseptically contents of 1 vial of Legionella Growth Supplement w/o L-Cysteine (BF131).			
<b>Principle :</b>			
The medium contains yeast extract to provide the necessary nitrogenous nutrients for Legionella growth. Activated charcoal nullifies toxic compounds that either accumulate in the medium during growth or develop during sterilization of medium. Antibiotics in the supplement inhibits the growth of various contaminating bacteria and fungi.			
<b>QC Tests – (I) Dehydrated Medium</b>			
Colour :		Grey to black	
Appearance :		Homogeneous Free Flowing powder	
<b>(II) Rehydrated medium</b>			
pH (post autoclaving/heating) :		6.9 ± 0.2	
Colour (post autoclaving/heating) :		Black gel	
Clarity (post autoclaving/heating) :		Opaque	
<b>(III) Q.C. Test Microbiological</b>			
Cultural characteristics observed after 48- 72 hrs at 35-37°C.			
MICROORGANISM (ATCC )	GROWTH	COLOUR OF COLONY	
Legionella pneumophila (33152)	Good -Luxuriant	Light blue to grey white	
Legionella dumoffii (33343)	Good - Luxuriant	Light blue to grey white	
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>	For cultivation of Legionella species after addition of BYCE supplement with added Sterile Legionella Growth Supplement (BCYE) (BF131)		
<b>Storage :</b>	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.		
<b>Packing :</b>	500 gm. bottle		

Refer disclaimer Overleaf

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<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B1202</b>	25 g/l	20.0lit	6.9 ± 0.2	BF131/BF132 /BF133	121 <sup>0</sup> 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 BIOMARKLABORATORIES publications.

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