

B1435	BRAIN HEART INFUSION BROTH	
Formula		
Ingredients:	gms/lit.	
ISO specification -Brain Heart Infusion Broth	Ingredients	g / L
Enzymatic digest of animal tissues	10.00	
Dehydrated calf brain infusion	12.500	
Dehydrated beef heart infusion	5.000	
Glucose	2.000	
Sodium chloride	5.000	
Disodium hydrogen phosphate	2.500	
Final pH after sterilization (at 25°C)	7.4±0.2	
B1435- BHI BROTH	Ingredients	g / L
Meat brain infusion powder	12.50	
BHI powder	5.00	
Peptic digest of animal tissue	10.00	
Dextrose	2.00	
Sodium chloride	5.00	
Disodium hydrogen phosphate	2.50	
Final pH after sterilization (at 25°C)	7.4±0.2	
Final pH(at25°C):7.4±0.2		
Directions:		
Suspend 37.0 gram in 1000 ml purified / distilled water. Heat if necessary to dissolve the medium completely. Dispense into bottles or tubes as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. For best results, the medium should be used on the day it is prepared, otherwise, it should be boiled or steamed for a few minutes and then cooled before use.		
Principle:		
Meat brain infusion powder BHI powder, Peptic digest of animal tissue provide nitrogen, carbon, sulfur and vitamins. Dextrose is carbon energy source that facilitates organism growth. Sodium Chloride maintains the osmotic balance of the medium. Disodium Phosphate is a buffering agent. BHI Broth is a highly nutritious medium and is also well buffered to support the growth of wide variety of microorganisms. Recently this medium has been recommended by ISO committee for the detection of <i>Staphylococcus aureus</i> .		
QCTests–(I)DehydratedMedium		
	Colour:	Cream to yellow
	Appearance:	Homogeneous Free Flowing powder
(II)Rehydratedmedium		
	pH(postautoclaving/heating):	7.4±0.2
	Colour(postautoclaving/heating):	Light amber
	Clarity(postautoclaving/heating):	Clear to slightly opalescent solution
(III)Q.C.TestMicrobiological		
	Cultural characteristics observed after incubation at 35-37°C for 18-24 hours.	
	MICROORGANISM(ATCC)	GROWTH
	Staphylococcus aureus ATCC 25923	Luxuriant
Precautions:	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.	
Limitations:	1. Individual organisms differ in their growth requirement and may show variable growth patterns on the medium. 2. Each lot of the medium has been tested for the organisms specified on the COA. It is recommended to users to validate the medium for any specific microorganism other than mentioned in the COA based on the user's unique requirement.	
Use:	Recommended for enrichment of pathogenic cocci; Staphylococcus aureus from food, animal feeding Stuffs, milk and milk products. The composition and performance criteria of this medium are as per the specifications laid down in ISO 6888-1:2021, ISO 8870:2006 and ISO 11133:2014 /Amd.2 :2020 (E)	
Storage:	Dehydratedmedium-below30°CPreparedmedium–Between2to8°C.	
Packing:	500gm.bottle	

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Product profile:	Reconstitution	Quantity on Preparation(500g)	pH(25°C)	Supplement	Sterilization
B1435	37g/l	13.513L	7.4±0.2	NIL	121 ⁰ C/15minutes

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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