

<b>B614</b>	<b>ZOBELL MARINE BROTH 2216</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Peptic digest of animal tissue		5.00			
Yeast extract		1.00			
Ferric citrate		0.10			
Sodium chloride		19.45			
Magnesium chloride		8.80			
Sodium sulphate		3.24			
Calcium chloride		1.80			
Potassium chloride		0.55			
Sodium bicarbonate		0.16			
Potassium bromide		0.08			
Strontium chloride		0.034			
Boric acid		0.022			
Sodium silicate		0.004			
Sodium fluorate		0.0024			
Ammonium nitrate		0.0016			
Disodium phosphate		0.008			
Final pH (at 25°C) : 7.6 ± 0.2					
<b>Directions :</b>					
Suspend 40.25 gms in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.					
<b>Principle :</b>					
This medium is consists not only of minerals as sea water but also has peptic digest of animal tissue and yeast extract as the better sources of nutrients for the marine bacteria. Marine bacteria are of prime importance in food industry and marine life conservation and hence activity of these bacteria can be studied by the use of this 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) :		7.6 ± 0.2			
Colour (post autoclaving/heating) :		Yellow			
Clarity (post autoclaving/heating) :		Opalescent			
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 2-3 days (longer if required) at 20°C.					
MICROORGANISM (ATCC )		GROWTH			
Vibrio fischeri (7744)		Good –luxuriant			
Vibrio harveyi (14126)		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>					
For cultivation, isolation and enumeration of heterotrophic marine bacteria.					
<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>B614</b>	40.25 g/l	12.42 L	7.6 ± 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 BIOMARKLABORATORIES publications.

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