

**TECHNICAL SHEET**

<b>B1551</b>	<b>M-FILTER RINSE BROTH</b>					
<b>Formula</b>						
<b>Ingredients :</b>			<b>gms/lit.</b>			
Peptic digest of animal tissue			5.00			
Meat extract			3.00			
Polysorbate 80			1.00			
Final pH (at 25°C) :			6.9 ± 0.2			
<b>Directions :</b>						
Suspend 9 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. If desired add up to 9 g/litre of Polysorbate 80 and filter the broth medium before autoclaving.						
<b>Principle :</b>						
After membrane filtration it is often necessary to rinse the membrane filter in order to remove residues of liquid sample materials. Use of this medium is recommended if the sample contains higher hydrocarbons or fats. The rinsing fluid protects the microorganisms retained by the filter from physiological shock, thus enabling microbes to grow rapidly. Polysorbate 80 emulsifies the carbohydrate and fats without harming the microorganisms. If the sample contains large quantities of carbohydrates or fats, additional quantities of polysorbate 80 upto 9.0 gm/litre can be added to the broth medium in accordance with USP recommendations. After filtering the liquid sample, rinse the filter 3 times with 100 ml portions of the M-Filter Rinse Broth, then complete the test in usual way.						
<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) :			6.9 ± 0.2			
Colour (post autoclaving/heating) :			Light yellow			
Clarity (post autoclaving/heating) :			clear solution forms in tubes			
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed after an incubation at 35-37°C for 18- 24 hours.						
MICROORGANISM (ATCC )		GROWTH				
Citrobacter freundii (8090)		good				
Escherichia coli (25922)		good				
Enterococcus faecalis (29212)		good				
Pseudomonas aeruginosa (27853)		good				
Staphylococcus aureus (25923)		good				
Streptococcus pyogenes (19615)		good				
<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 as a rinsing fluid in the membrane filtration procedure.				
<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>B1551</b>		9.0 g/l	55.555 L	6.9 ± 0.2	NIL	121°C / 15 minutes.

**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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