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	B230 LOWENSTEIN JENSEN MEDIUM BASE (L.J.MEDIUM)								
Formula									
Ingredients :	gms/lit.								
L-asparagine	3.60								
Monopotassium phosphate									
Magnesium sulphate	0.24								
Magnesium citrate	0.60								
Potato starch, soluble	30.00								
Malachite green	0.40								
Final pH (at 25°C) : Self									
Directions :									
glycerophobic organisms additions completely. Sterilize by autoclavin prepare 1000 ml of whole egg em Gruft Mycobacterial Supplement (Bl capped tubes. Arrange tubes in a s bath or autoclave at 85°C for 45 mi Principle : Lowenstein Jensen medium is an e suppress the growth of contaminati indicator. These media are commo	s of glycerol is g at 15 lbs pre- ulsion collected F076) (if desire- lanted position. nutes. egg-based med ing organisms a	not desirable). Heat essure (121oC) for 1 l aseptically. Aseptica d) gently to obtain un Coagulate and inspis ium that contains a r and to allow early grow	ml glycerol (for bovine bacteria or other t if necessary to dissolve the medium 5 minutes. Cool to 45-50°C. Meanwhile lly add and mix egg emulsion base and iform mixture. Distribute in sterile screw sate the medium in an inspissator water moderate amount of malachite green to wth of mycobacteria. It also acts as a pH isolate acid fast organisms from sterile						
decrease contamination. The increased sodium chloride cor	crease the isolation in L	tion of mycobacteria. .owenstein Medium, J	Penicillin and Nalidixic acid are added to ensen w/5% NaCl helps to differentiate						
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1. For Laboratory Use.						
2. Follow proper, established laboratory procedures in handling and disposing of infectious						
materials.						
1. Since the nutritional requirements of organisms vary, some strains may be encountered that						
fail to grow or grow poorly on this medium.						
2. Negative culture results do not rule out an active mycobacterial infection. Some factors						
responsible for unsuccessful cultures are;						
a) The specimen was not representative of the infectious material, i.e., saliva instead of						
sputum.						
b) The mycobacteria were destroyed during digestion and decontamination of the specimen.						
c) Gross contamination interfered with the growth of mycobacteria.						
d) Proper aerobic and increased CO ₂ tension were not provided during incubation.						
For isolation and cultivation of Mycobacterium species.						
Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.						
500 gm. bottle						
Reconstitution	Quantity on	pН	Supplement	Sterilization		
	Preparation (500g)	(25°C)				
37.24 g/l	13.42 lit	self	Egg emulsion base and Gruft	121ºC/15 min		
			Mycobacterial supplement			
			(BF076)			
	 Follow proper materials. Since the nutrifail to grow or gr Negative culting responsible for uiting a) The specime sputum. The mycobactic of the mycobactic of the mycobactic of the solution and the solution and the solution solution the solution solution and the solution soluti solution solution solution solution solution solution soluti	materials.1. Since the nutritional requirements fail to grow or grow poorly on this me 2. Negative culture results do not r responsible for unsuccessful cultures 	2. Follow proper, established laboratory promaterials. 1. Since the nutritional requirements of organifail to grow or grow poorly on this medium. 2. Negative culture results do not rule out a responsible for unsuccessful cultures are; a) The specimen was not representative of sputum. b) The mycobacteria were destroyed during dig c) Gross contamination interfered with the grod d) Proper aerobic and increased CO2 tension were for isolation and cultivation of Mycobacterium Dehydrated medium- below 30°C Prepared mediation and solve prepared mediation (500 gm. bottle Reconstitution Quantity on pH Preparation (500g) (25°C)	2. Follow proper, established laboratory procedures in handling and dispondaterials. 1. Since the nutritional requirements of organisms vary, some strains may be fail to grow or grow poorly on this medium. 2. Negative culture results do not rule out an active mycobacterial infection responsible for unsuccessful cultures are; a) The specimen was not representative of the infectious material, i.e., sputum. b) The mycobacteria were destroyed during digestion and decontamination of c) Gross contamination interfered with the growth of mycobacteria. d) Proper aerobic and increased CO2 tension were not provided during incubate For isolation and cultivation of Mycobacterium species. Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C. 500 gm. bottle Reconstitution Quantity on PH Preparation (500g) Supplement Supplement 37.24 g/l 13.42 lit self Egg emulsion base and Gruft Mycobacterial supplement		

Disclaimer:

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