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B284 Phenol red broth base										
Formula	<u>.</u>									
Ingredients :		gms/	lit.							
Proteose peptone			00							
Beef extract			0							
Sodium chloride)							
Phenol red		0.01	18							
Final pH (at 25°C	C): 7.4 <u>+</u> 0.2									
Directions :										
	grams in 1000 ml puri									
	ute in fermentation									
	blbs pressure (121°C)			nutes. Aseptically	y add filter ster	ilized or autoo	clave sterilized			
	ution to sterile basal n	nedium								
Principle :										
	e and Beef extract pro									
	organisms. Sodium C									
	icator, turning from re					icea auring re	ermentation of			
	nydrate. Gas formation	1 Is see	n in	Durnam's tube	5.					
	hydrated Medium			· · alla · · · ba · aial·						
	Colour :			yellow to pink						
	Appearance :			geneous Free Fl	owing powaer					
(II)Rehydrated n		_	4 1	0.0						
	laving/heating) :			0.2						
	autoclaving/heating) :			orange red						
	autoclaving/heating):	Ci	ear							
(III)Q.C. Test N										
	acteristics observed af	ter an i	ncu	bation at 35 - 3	/°C for 18 - 24	hours. (long	er if			
necessary)		GROW								
MICROORGANI	MICROORGANISM (ATCC)		IH	ACID (without carbohydrate)	carbohydrate)		GAS (with dextrose)			
Citrobacter fr	Citrobacter freundii (8090)		nt	-	-	+ (Yellow)	+			
Enterobacter			nt	-	-	+ (Yellow)	+			
		Luxuria	nt	_	_	+ (Yellow)	+			
		Luxuria			_	+ (Yellow)	+			
						. ,				
		Luxuriant Luxuriant		-	-	+ (Yellow)	+			
			ant	-	-	+ (Yellow)	+			
		Luxuriant		-	-	+ (Yellow)	+			
Serratia marcescens (8100)		Luxuria	nt	-	-	+ (Yellow)	+			
	Shigella flexneri (12022)		ant	-	-	+ (Yellow)	-			
Key : Acid - = negative reaction,										
no colour cha	nge or red.									
Precautions :	1. For Laboratory Us	se.		L	1	I				
2. Follow proper, established laboratory procedures in handling and disposing of										
	infectious materials.									
Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be									
encountered that fail to grow or grow poorly on this medium.										
	2. The addition of so									
	To restore the original pH (and colour of the medium), add 0.1 N sodium hydroxide on a									
	drop - by - drop basis. Take care not to make the medium too alkaline, which would									
	prevent fermentation from occurring within the usual incubation period.									
3. To ensure accuracy of interpretation, uninoculated control tubes and,						/				
	3. To ensure accura Phenol Red Broth Bas						entation tests.			

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Use :	As a basal medium to which carbohydrates are added for determination of fermentation reactions of pure cultures of microorganisms.									
Storage :	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.									
Packing :	500 gm. bottle									
Product profile:		Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization					
B284	16.02 g/l	31.210 L	7.4 <u>+</u> 0.2	Desired carbohydrate	121ºC / 15 minutes					