BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B821	YEAST EXTRACT	ΓAGAR					
Formula							
Ingredients:			gms/li	it.			
Peptic digest of a	nimal tissue		5.00	-			
Yeast extract			3.00				
Agar			15.00				
Final pH (at 25°C	C): 7.2 <u>+</u> 0.2						
Directions :	<u> </u>						
Suspend 23 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by							
autoclaving at 15 lbs pressure (121°C) for 15 minutes.							
Principle:							
Yeast extract and	d peptic digest of a	nimal ti	ssue prov	ide nitr	ogenous c	ompounds, vita	amin B complex
and other growth nutrients. From the water sample, make a decimal dilution bank with Ringer							
Solution (B381) and take aliquots to 2 parallel series of plates. Pour the molten, cooled (45°C) Yeast							
Extract Agar and homogenize with sample. Incubate one of the series of plates at 35°C for 24 hours							
and the other series of plates at 20-22°C for 3 days. Separate counts are made of the organisms							
forming visible colonies after 24 hours at 35°C and the organisms forming colonies after 3 days at							
	the plates containing	ng 30-30	00 colonie	s.			
QC Tests - (I)Dehydrated Medium							
Colour :			Cream to light yellow				
Appearance :			Homogeneous Free Flowing powder				
(II)Rehydrated medium							
pH (post autoclaving/heating):			7.2 ± 0.2				
Colour (post autoclaving/heating):			Light yellow to yellow				
			Clear to very slightly opalescent				
(III)Q.C. Test N							
Cultural chara	cteristics observed	d after	18 - 24 h		5 - 37°C.		
Cultural chara MICROORGANI	acteristics observed SM (ATCC)	d after	GRO	HTWC	5 - 37°C.		
Cultural chara MICROORGANI Escherichia co	acteristics observed SM (ATCC) bli (25922)	l after	GR(Lux	OWTH curiant	5 - 37°C.		
Cultural chara MICROORGANI Escherichia co Staphylococci	acteristics observed SM (ATCC) bli (25922) us aureus (25923)		GR(Lux Lux	OWTH curiant curiant	5 - 37°C.		
Cultural chara MICROORGANI Escherichia cc Staphylococci Enterobacter	acteristics observed SM (ATCC) bli (25922) us aureus (25923) aerogenes (13048))	GRO Lux Lux Lux	OWTH curiant curiant curiant	5 - 37°C.		
Cultural chara MICROORGANI Escherichia co Staphylococci Enterobacter Pseudomonas	acteristics observed SM (ATCC) bli (25922) us aureus (25923) aerogenes (13048) aeruginosa (2785)	GRO Lux Lux Lux	OWTH curiant curiant	5 - 37°C.		
Cultural chara MICROORGANI Escherichia cc Staphylococci Enterobacter	acteristics observed SM (ATCC) bli (25922) us aureus (25923) aerogenes (13048) aeruginosa (2785) 3) Use.	GR(Lux Lux Lux Lux	OWTH curiant curiant curiant curiant			
Cultural chara MICROORGANI Escherichia co Staphylococci Enterobacter Pseudomonas	scteristics observed SM (ATCC) bli (25922) us aureus (25923) aerogenes (13048) aeruginosa (2785) 1. For Laboratory 2. Follow proper,) 3) Use. establis	GR(Lux Lux Lux Lux	OWTH curiant curiant curiant curiant		in handling a	nd disposing of
Cultural chara MICROORGANI Escherichia co Staphylococco Enterobacter Pseudomonas Precautions:	scteristics observed SM (ATCC) bli (25922) us aureus (25923) aerogenes (13048) aeruginosa (2785) 1. For Laboratory 2. Follow proper, infectious materia) 3) ' Use. establis	GRO Lux Lux Lux Lux shed labo	OWTH curiant curiant curiant curiant curiant	procedures	_	
Cultural chara MICROORGANI Escherichia co Staphylococci Enterobacter Pseudomonas	scteristics observed SM (ATCC) bli (25922) us aureus (25923) aerogenes (13048) aeruginosa (2785) 1. For Laboratory 2. Follow proper, infectious materia 1. Since the nuti) 3) Use. establis ls. ritional	GRG Lux Lux Lux shed labo	OWTH curiant curiant curiant curiant curiant curiant ratory property of the control of the curiant cur	procedures	s vary, some	
Cultural chara MICROORGANI Escherichia co Staphylococci Enterobacter Pseudomonas Precautions:	scteristics observed SM (ATCC) bli (25922) us aureus (25923) aerogenes (13048) aeruginosa (2785) 1. For Laboratory 2. Follow proper, infectious materia 1. Since the nutle) 3) Use. establis ls. ritional fail to g	GRO Lux Lux Lux shed labo requirements	OWTH curiant c	procedures organisms	s vary, some	
Cultural chara MICROORGANI Escherichia co Staphylococo Enterobacter Pseudomonas Precautions: Limitations:	acteristics observed SM (ATCC) Dili (25922) US aureus (25923) Dis aerogenes (13048) Dis aeruginosa (2785) Dis) 3) Use. established ils. ritional fail to g	Lux Lux Lux shed labo requirement row or gronganisms	OWTH curiant curiant curiant ratory pents of ow poor in water	organisms organisms ly on this i	s vary, some medium.	strains may be
Cultural chara MICROORGANI Escherichia co Staphylococci Enterobacter Pseudomonas Precautions: Limitations: Use: Storage:	acteristics observed SM (ATCC) Dii (25922) Us aureus (25923) Diaerogenes (13048) Diaerogenes (13048) Diaerogenes (2785) Diaerog) 3) Use. established ils. ritional fail to g	Lux Lux Lux shed labo requirement row or gronganisms	OWTH curiant curiant curiant ratory pents of ow poor in water	organisms organisms ly on this i	s vary, some medium.	strains may be
Cultural chara MICROORGANI Escherichia co Staphylococci Enterobacter Pseudomonas Precautions: Limitations: Use: Storage: Packing:	acteristics observed SM (ATCC) Dil (25922) US aureus (25923) Dis aerogenes (13048) Dis aeruginosa (2785) Dis a) 7 Use. established ils. ritional fail to g microon um- belo	Lux Lux Lux shed labo requiremerow or groganisms iow 30°C P	OWTH curiant curiant curiant ratory pents of ow poor in water	organisms organisms ly on this i	s vary, some medium. Between 2 to	strains may be
Cultural chara MICROORGANI Escherichia co Staphylococo Enterobacter Pseudomonas Precautions: Limitations: Use: Storage:	acteristics observed SM (ATCC) Dil (25922) US aureus (25923) Dis aerogenes (13048) Dis aeruginosa (2785) Dis a) Output Out	Lux Lux Lux shed labo requiremerow or groganisms iow 30°C P	OWTH curiant curiant curiant ratory pents of ow poor in water	organisms organisms ly on this i	s vary, some medium.	strains may be