

**Annual Requirements (2024) - Dairy Technology Laboratory**

**Chemicals, Reagents, Media**

S.N	Item	Specification	Pack size	QTY	Bidder's compliance	If "No" bidder's specifications
					Yes/ No	
1	Sodium hydroxide	Analar grade	1kg	12		
		Purity $\leq$ 98%				
		Form: pellets				
		Analysis reopr t should be provided				
		Catalogue should be provided				
		Delivery period				
2	Diethyl ether	Analar Grade	2.5L	12		
		Purity $\leq$ 99.8%				
		Self Life: 3 years				
		Analysis reopr t should be provided				
		Catalogue should be provided				
		Delivery period				
3	Petrolium spirit	Boiling point 40 to 60 °C	2.5L	12		
		Analar Grade				
		wt per ml at 20 <sup>0</sup> C : 0.640-0.650 g				
		Self Life: 3 years				
		Analysis reopr t should be provided				
		Catalogue should be provided				
		Delivery period				
4	Ethyl alcohol 96%	Grade: Analar	2.5L	3		
		Purity: 96%				
		Form: colourless liquid				
		Shelf Life: 3 years				
		Analysis reopr t should be provided				
		Catalogue should be provided				
		Delivery period				

S.N	Item	Specification	Pack size	QTY	Bidder's compliance	If "No" bidder's specifications
					Yes/ No	
5	Ethyl alcohol absolute	Grade : ACS reagent grade	2.5L	4		
		Purity: $\leq 99.5$				
		Analysis reoprnt should be provided				
		Catalogue should be provided				
		Delivery period				
6	Milk testing sulphuric acid	Specific Gravity 1.815 at 60 <sup>0</sup> F	2.5L	1		
		Shelf Life: 3 years				
		Analysis reoprnt should be provided				
		Catalogue should be provided				
		Delivery period				
7	Acetone	Grade: ACS reagent	2.5L	1		
		Form : Liquid				
		Assay: $\geq 99.5$				
		Vapor pressure: 184 mmHg ( 20 °C)				
		Shelf Life: 2-3 years				
		Analysis reoprnt should be provided				
		Catalogue should be provided				
		Delivery period				
8	McConkey Agar	Oxoid or equivalent	500g	2		
		Brand should be mentioned				
		Formular g/l :				
		peptone 20.0 g/l				
		lactose 10.0 g/l				
		Bile Salts 5.0 g/l				
		Sodium Choloride 5.0 g/l				
		Neutral red 0.075 g/l				
		Agar 12.0 g/l				
		Catalogue should be provided				
		Delivery period should be mentioned				

S.N	Item	Specification	Pack size	QTY	Bidder's compliance	If "No" bidder's specifications
					Yes/ No	
9	Nutrient Agar	Oxoid or equivalent	500g	2		
		Formula g/l : Lab lemco powder 1.0 g/l				
		yeast extract 2.0 g/l				
		Peptone 5.0g/l				
		Sodium chloride 5.0 g/l				
		Disodium phosphate 1.2 g/l				
		Potassium di hydrogen phosphate				
		Catalogue should be provided				
		Delivery period should be mentioned				
10	Sabouraud Dextrose Agar (SDA)	Oxoid or equivalent	500g	1		
		Formular g/l : Mycological peptone - 20 g/l				
		Glucose 40.0 g/l				
		Agar 12.0 g/l				
		Catalogue should be provided				
		Delivery period should be mentioned				
11	Bacteriological Agar	Oxoid or equivalent	500g	1		
		working strength -1.5 %, moisture < 7.5				
		Clarity : High, Mineral content: low				
		Catalogue should be provided				
		Delivery period should be mentioned				
12	Eosin Methylene Blue Agar (EMB)	Oxoid or equivalent	500g	1		
		Formula g/l: Peptone10.0				
		Lactose 10.0				
		Dipotassium hydrogen phosphate 2.0				
		Eosin Y 0.4				
		Methylene blue 0.065				
		Agar 15.0				
		pH 6.8 ± 0.2				
		Delivery period should be mentioned				

S.N	Item	Specification	Pack size	QTY	Bidder's compliance	If "No" bidder's specifications
					Yes/ No	
13	Urea 40 % (Culture Media supplements)	Oxoid or equivalent	5ml	10		
		Brand should be mentioned				
		Formula g/l: Urea 40%				
		Analysis reopr should be provided				
		Delivery period should be mentioned				
14	Formaldehyde	Assay 36 - 40%	1 L	4		
		GPR Rectapur				
		Density 1.087				
		Analysis reopr should be provided				
		Delivery period should be mentioned				
15	Amyl Alcohol for Milk Testing	Density 0.815g/cm <sup>3</sup>	2L	4		
		Boiling Point 138 <sup>0</sup> C				
		ACS grade				
		Analysis reopr should be provided				
		Delivery period should be mentioned				
16	Sigma water	Molecular Biology Reagent	1L	2		
		Sigma or equivalent				
		M.W 18.02 g/mol, BP 100°C				
		Analysis reopr should be provided				
		Delivery period should be mentioned				
17	EDTA	Molecular Biology Grade	100ml	4		
		0.5M ( ph 8.0)				
		Analysis reopr should be provided				
		Delivery period should be mentioned				
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S.N	Item	Specification	Pack size	QTY	Bidder's compliance Yes/ No	If "No" bidder's specifications
18	Phenolphthalein	M.W 318.33 g/mol	100g	2	Yes/ No	
		Analysis report should be provided				
		Delivery period should be mentioned				
19	HCL	Sigma or equivalent	2.5L	2		
		Assay 37%				
		Analysis report should be provided				
		Delivery period should be mentioned				
20	Sulphuric acid	Analar grade	2.5L	3		
		Assay Min.98.0%				
		Analysis report should be provided				
		Delivery period should be mentioned				
21	Crystal Violet	For microscopy	100g	2		
		Sigma or equivalent				
		Analysis report should be provided				
		Delivery period should be mentioned				
22	Trichloro acetic acid	Analar grade	1kg	2		
		Density 1.63kg/l				
		Assay 99.8 %				
		Melting Point 59°C				
		Analysis report should be provided				
		Delivery period should be mentioned				
23	Tris Base	Molecular Biology Grade	500g	2		
		Analysis report should be provided				
		Delivery period should be mentioned				

24	Sulphuric Acid standard (0.1N Solution)	0.05mol/l	ampoule	10		
		Analysis reoprt should be provided				
		Delivery period should be mentioned				
25	1,8 dihydroxynapthalene	Analar grade	50g	1		
		Density 1.33 g/cm <sup>3</sup>				
		Analysis reoprt should be provided				
		Delivery period should be mentioned				







































































































