

Specifications: Purchase of Laboratory, Chemical, Culture Media & Consumable Items						
No.	Item	Quantity	Specifications	Bidders Response		If ' NO Bidders Specifications
				Yes	No	
1	Microtiter plate	50	96 well			
			Flat bottom			
			Clear Polystyrene			
			Labels rows and columns			
2	Blood Agar - 500g	5	EU and US Standards			
			Dehydrated culture medium for preparation of blood agar			
			pH 7.1-7.5			
			Storage: room temperature			
			Shelf life: more than 2 years at the time of delivery			
3	Brilliant Green Agar - 500g	21	Suitable for fastidious organisms			
			EU and US Standards			
			Storage: room temperature			
			Shelf life: more than 2 years at the time of delivery			
			Selective agar for Salmonella spp.			
4	EMB Agar - 500g	5	Inhibits coliforms			
			EU and US Standards			
			Storage: room temperature			
			Shelf life: more than 2 years at the time of delivery			
			Eosin Methylene Blue agar for isolation of Gram-negative enterics especially E. coli			
5	MacConkey Agar - 500g	19	Metallic sheen indicator			
			Form: Dehydrated culture medium powder			
			EU and US Standards			
			Storage: room temperature			
			Shelf life: more than 2 years at the time of delivery			
			Selective media for Gram-negative enterics			
			Differentiates lactose fermenters			

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No.	Item	Quantity	Specifications	Bidders Response		If ' NO Bidders Specifications
				Yes	No	
6	Mannitol Salt Agar - 500g	5	EU and US Standards			
			High NaCl (7.5%)			
			Phenol red indicator			
			7.4 ± 0.2 at 25°C			
			Storage: room temprature			
			Shelf life: more than 2 years at the time of delivery			
			Selective medium for Staphylococcus spp.			
7	Nutrient Agar - 500g	5	EU and US Standards			
			Storage: room temprature			
			Shelf life: more than 2 years at the time of delivery			
			General-purpose medium for bacterial cultivation			
8	Urea agar base with supplement - 500g	8	Form: Dehydrated medium (base + urea supplement)			
			EU and US Standards			
			Intended Use: Differentiation of urease-producing bacteria			
			Must include separate sterile urea supplement (where applicable)			
			Must remain stable under ambient room temperature			
			All items must have a minimum remaining shelf life of 24 months from the date of delivery.			
9	EMJH Medium base - 500g	3	EU standards			
			BD Difco™ Leptospira Medium base/Dehydrated culture media			
			Composition: Disodium Phosphate 1g/L, Monopotassium Phosphate 0.3g/L, Sodium Chloride 1g/L, Ammonium Chloride 0.25g/L Thiamine 5mg/L (500g)			
			Shelf life over 1 year from the deilivary date			

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10	EMJH Medium Supplement	5	BU Difco"Leptospire Enrichment EMJH volume 6*100ml,			
			EU standards			
			Lyophilized			
			Shelf life over 1 year from the deilivary date			
			Albumin,polysorbate 80 and additional growth factores for Leptospira			
11	Triple sugar Iron Egar (TSI) (500g)	16	Form: Dehydrated culture medium powder			
			EU and US Standards			
			Intended Use: Differentiation of enteric bacteria on glucose/lactose/sucrose fermentation and H ₂ S production			
			Indicator: Phenol red			
			Must give clear differentiation of TSI reactions			
			Must remain stable under ambient room temperature			
12	Simon Citrate Agar (500g)	11	All items must have a minimum remaining shelf life of 24 months from the date of delivery.			
			Form: Dehydrated culture medium powder			
			EU and US Standards			
			Intended Use: Test for utilization of citrate as sole carbon source			
			Expected Result: Growth and color change (green to blue) for citrate-positive organisms			
			Must remain stable under ambient room temperature			
			All items must have a minimum remaining shelf life of 24 months from the date of delivery.			

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13	Urease base with suppliment (500g)	5	Form: Dehydrated medium (base + urea supplement)			
			EU and US Standards			
			Intended Use: Differentiation of urease-producing bacteria			
			Must include separate sterile urea supplement (where applicable)			
			Must remain stable under ambient room temperature			
			All items must have a minimum remaining shelf life of 24 months from the date of delivery.			
14	SIM Medium (500g)	11	Form: Dehydrated culture medium powder			
			EU and US Standards			
			Intended Use: Testing for hydrogen sulfide production, indole production, and motility			
			Contains: Peptone, ferrous ammonium sulfate, tryptophan			
			Must remain stable under ambient room temperature			
			All items must have a minimum remaining shelf life of 24 months from the date of delivery.			
15	Rappaport Vassiliadis Soya Broth (500g)	4	Form: Dehydrated culture medium powder			
			Intended Use: Selective enrichment for <i>Salmonella</i> spp.			
			EU and US Standards			
			High selectivity for <i>Salmonella</i> with reduced background flora			
			Must remain stable under ambient room temperature			
			All items must have a minimum remaining shelf life of 24 months from the date of delivery.			

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16	Sodium Tetrathionated Broth (500g)	11	Form: Dehydrated powder			
			EU and US Standards			
			Intended Use: Selective enrichment of <i>Salmonella</i> spp.			
			May require iodine-iodide supplement			
			Must remain stable under ambient room temperature			
			All items must have a minimum remaining shelf life of 24 months from the date of delivery.			
17	Bacteriological peptone (500g)	13	Form: Free-flowing powder			
			EU and US Standards			
			Intended Use: Nutrient source for cultivating a wide range of microorganisms			
			Must remain stable under ambient room temperature			
			All items must have a minimum remaining shelf life of 24 months from the date of delivery.			
18	TCBS agar (500g)	13	EU and US Standards			
			Selective and differential medium used primarily for the isolation of <i>Vibrio</i> species, especially <i>Vibrio cholerae</i> and <i>Vibrio parahaemolyticus</i> , from clinical and environmental specimens			
			dehydrated medium store at 15–30°C or room temperature			
			Date of expiry - At least 2 years shelf life at the time of delivery			
19	Aeromonas Agar (500g)	13	EU and US Standards			
			Selective medium for the isolation and differentiation of <i>Aeromonas</i> spp			
			Microbiological grade or analytical reagent (AR) grade product composition equivalent to catalog number CM0833B			
			Dehydrated Medium: Light beige, and Sterilize by autoclaving at 121°C for 15 minutes,			
			Store at 10 – 30 C or room temperature			
			At least 2 years shelf life at the time of delivery			

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20	Salmonella Shigella agar (500g)	6	EU and US Standards			
			Isolation and differentiation of Salmonella and Shigella from stool, food, and water samples			
			dehydrated medium store at 15–30°C or room temperature,			
			At least 2 years shelf life at the time of delivery			
21	Methylene Blue (25g)	4	Application - Microbiology (Staining of bacterial cells)			
			Chemical Formula: C ₁₆ H ₁₈ ClN ₃ S, Molecular Weight: 319.85 g/mol			
			Dark greenish-blue to black crystalline powder, Soluble in water and ethanol, Color of solution Deep blue, Odorless or very mild odor			
			Laboratory/Analytical Grade with ≥ 82% (dye content), 3.0 to 4.5 range in pH			
			Storage in Room Temperature			
			At least 2 years shelf life at the time of delivery			
22	Potasium Iodide (25g)	6	Form: Fine crystalline or powder			
			Purity: ≥ 99.0% (analytical grade)			
			Intended Use: For preparation of enrichment supplements (e.g., tetrathionate broth)			
			Must remain stable under ambient room temperature			
			Expiry – 5 years from the time of delivery			
23	Sodium Chloride (NaCl) (500g)	20	Molecular Formula: NaCl			
			≥99.0% (ACS Grade)			
			White crystalline powder			
			Loss on Drying: ≤0.5% (105°C)			
			pH (5% Solution): 5.0–8.0			
			Insoluble Matter: ≤0.005%			
			Heavy Metals (Pb): ≤5 ppm			
			Chloride (Cl ⁻): Nil			
			Sulfate (SO ₄ ²⁻): ≤0.001%			
			Must remain stable under ambient room temperature			
			Expiry – 5 years from the time of delivery			
			Assay (Titration): 99.0–100.5%			

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24	Potassium Chloride (KCl) (100g)	10	CAS Number: 7447-40-7			
			Molecular Formula: KCl			
			Purity: ≥99.0% (ACS Grade)			
			White crystalline powder			
			Loss on Drying: ≤0.5% (110°C)			
			pH (5% Solution): 5.0–8.0			
			Insoluble Matter: ≤0.005%			
			Heavy Metals (Pb): ≤5 ppm			
			Chloride (Cl ⁻): Nil			
			Sulfate (SO ₄ ²⁻): ≤0.001%			
			Assay (Titration): 99.0–100.5%			
			Packaging: 100 g			
			Expiry – 5 years from the time of delivery			
			Storage: Room temperature			
25	Disodium Phosphate (Na ₂ HPO ₄)	9	CAS Number: 7558-79-4 (anhydrous)			
			Molecular Formula: Na ₂ HPO ₄			
			Purity: ≥99.0% (ACS Grade)			
			White crystalline powder			
			Loss on Drying: ≤0.2%			
			pH : 8.5–9.5 (1% solution)			
			Insoluble Matter: ≤0.01%			
			Heavy Metals (Pb): ≤5 ppm			
			Chloride (Cl ⁻): ≤0.003% (for Na ₂ HPO ₄)			
			Sulfate (SO ₄ ²⁻): ≤0.005%			
			Assay (Titration): 98.0–101.0%			
			Packaging: 500 g,			
			Expiry – 5 years from the time of delivery			
			Storage: Room temperature			

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No.	Item	Quantity	Specifications	Bidders Response		If ' NO Bidders Specifications
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26	Monopotassium Phosphate (KH ₂ PO ₄)	9	CAS Number: 7778-77-0			
			Molecular Formula: KH ₂ PO ₄			
			Purity: ≥99.0% (ACS Grade)			
			White crystalline powder			
			Loss on Drying: ≤0.2% (105°C)			
			pH : 4.2–4.6 (5% solution)			
			Insoluble Matter: ≤0.01%			
			Heavy Metals (Pb): ≤5 ppm			
			Chloride (Cl ⁻): ≤0.001%			
			Sulfate (SO ₄ ²⁻): ≤0.005%			
			Assay (Titration): 99.0–100.5%			
			Expiry – 5 years from the time of delivery			
			Packaging: 500 g			
			Storage: Room temperature			
27	Crystal violet	25	Application – staining bacteriology reagent for several chemicals in mixed indicators as oxidation reduction indicator in aquaculture			
			Description – Green shiny crystals			
			Water content – max 7.5%			
			Assay 96-105%			
			Pack size – 5g			
			Expiry – 5 years from the time of delivery			
			Storage: Room temperature			
28	Bromocrysol purple	25	Powder solid, odour less appearance light red			
			Melting point 245C			
			Solubility – insoluble in water			
			Pack size – 5g			
			Storage at room temperature			
			Expiry – 5 years from the time of delivery			

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No.	Item	Quantity	Specifications	Bidders Response		If ' NO Bidders Specifications
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29	Ethanol (1L)	25	Appearance – clear and colourless solution			
			Content minimum 99.5%			
			SG 0.7961, acidity 0.006% aldehyde content 0.15			
			Pack size -1L			
			Expiry – 2 years from the time of delivery			
			Storage at room temperature			
30	Formic Acid - 2L	55	Appearance - clear and colourless solution			
			Density - 85 % W/W (1190g,cm3)			
			Technical grade			
			Pack size - 2 L			
			Storage- Room temperature			
			Expiry - 2 years from the time of delivery			
31	Sulphuric Acid- for milk testing	5	Used in testing milk for butter fat,			
			Concentration 90-91%, Assay minimum 90%, density 1.815-1.825			
			Molecular weight 98.08g/mol			
			Storage temperature ambient			
			Pack size - 1 L			
			Storage- Room temperature			
32	Fluorouracil (5g in a pack)	2	≥99% purity			
			Powder form			
33	ABST- Amoxycilline - 50 tabs	43	Antimicrobial agent -Amoxycillin			
			Conc - 25mcg			
			Product type -Amoxycillin antimicrobial susceptibility disc			
			Test type - antimicrobial susceptibility			
			Pack size - 50 disc per cartridge			
			CLSI compliant			
			Storage at 4 C temperature			
			Expiry - 2 years from the time of delivery			

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No.	Item	Quantity	Specifications	Bidders Response		If ' NO Bidders Specifications
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34	ABST-Cloxacillin - 50 tabs	35	Antimicrobial agent - Cloxacillin			
			Conc - 5 mcg			
			Product type - Antimicrobial susceptibility disc			
			Test type - antimicrobial susceptibility			
			Pack size 50 disc per cartridge			
			Storage- Room temperature			
			Expiry - 2 years from the time of delivery			
35	ABST-Colistin - 50 tabs	10	10 µg/disc			
			CLSI compliant			
			Sterile			
			Packaged moisture-resistently			
			Includes product insert			
			Storage- Room temperature			
			Expiry >12 months			
36	ABST-Doxycycline - 50 tabs	28	Validated for Gram-negative isolates			
			Antimicrobial agent- Doxycycline			
			CLSI compliant			
			Concentration -5mcg			
			Doxycycline antimicrobial susceptibility disc			
			Test type - antimicrobial susceptibility			
			Pack size - 30 disc per cartridge			
37	ABST-Enrofloxacin - 50 tabs	47	Storage- Room temperature			
			Expiry - 2 years from the time of delivery			
			Antimicrobial agent- Enrofloxacin			
			CLSI compliant			
			Concentration -5mcg			
			enrofloxacin antimicrobial susceptibility disc			
			Test type - antimicrobial susceptibility			
38	ABST-Enrofloxacin - 50 tabs	47	Pack size - 50 disc per cartridge			
			Storage at 4 C			
			Expiry - 2 years from the time of delivery			

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No.	Item	Quantity	Specifications	Bidders Response		If ' NO Bidders Specifications
				Yes	No	
38	ABST- Gentamycine - 50 tabs	36	Antimicrobial agent- Gentamycin			
			CLSI compliant			
			Cocentration - 120 mcg			
			Gentamycin antimicrobial susceptibility disc			
			Test type - antimicrobial susceptibility			
			Pack size - 50 disc per cartridge			
			Storage at 4 C			
			Expiry - 2 years from the time of delivery			
39	ABST- Erythromycine - 50 tabs	14	15 µg/disc			
			CLSI compliant			
			Sterile			
			Packaged moisture-resistently			
			Includes product insert			
			Storage at 4 C			
			Expiry >12 months			
			Validated for Gram-positive cocci and some respiratory			
40	ABST- Oxytetracycline - 50 tabs	40	Antimicrobial agent- Oxytetracycline			
			CLSI compliant			
			Cocentration - 30 mcg			
			Oxytetracycline antimicrobial susceptibility disc			
			Test type - antimicrobial susceptibility			
			Pack size - 50 disc per cartridge			
			Storage at 4 C			
			Expiry - 2 years from the time of delivery			
41	ABST- Tetracycline - 50 tabs	24	Antimicrobial agent- Tetracycline			
			CLSI compliant			
			Cocentration - 30 mcg			
			Tetracycline antimicrobial susceptibility disc			
			Test type - antimicrobial susceptibility			
			Pack size - 50 disc per cartridge			
			Storage at 4 C			
			Expiry - 2 years from the time of delivery			

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42	ABST- Ceprofloxacin - 50 tabs	24	5 µg/disc			
			CLSI compliant			
			Sterile			
			Packaged moisture-resistently			
			Includes product insert			
			Expiry >12 months			
			Validated for Gram-negative bacterial isolates			
43	ABST-Neomycin - 50 tabs	25	Antimicrobial agent- Neomycin			
			CLSI compliant			
			Cocentration - 50 mcg			
			Neomycin antimicrobial susceptibility disc			
			Test type - antimicrobial susceptibility			
			Pack size - 30 disc per cartridge			
			Storage at 4 C			
44	ABST- Streptomycin - 50 tabs	16	Expiry - 2 years from the time of delivery			
			10 µg/disc			
			CLSI compliant			
			Sterile			
			Packaged moisture-resistently			
			Includes product insert			
			Expiry >12 months			
45	ABST-Penicilline - 50 tabs	15	Validated for Gram-negative bacilli and zoonotic pathogens.			
			Antimicrobial agent- Penicillin G			
			CLSI compliant			
			Cocentration - 2 Units			
			Neomycin antimicrobial susceptibility disc			
			Test type - antimicrobial susceptibility			
			Pack size - 50 disc per cartridge			
			Storage at 4 C			
			Expiry - 2 years from the time of delivery			

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				Yes	No	
46	ABST-Cephalexin - 50 tabs	17	Antimicrobial agent- Cephalexin			
			Cocentration - 30mcg			
			CLSI compliant			
			Tetracycline antimicrobial susceptibility disc			
			Test type - antimicrobial susceptibility			
			Pack size - 50 disc per cartridge			
			Storage at 4 C			
			Expiry - 2 years from the time of delivery			
47	ABST-Suipha/trimethoprim-50tabs	27	Antimicrobial agents- Trimethoprim / Sulfamethoxazole			
			CLSI compliant			
			Test type - antimicrobial susceptibility			
			Sulphamethoxazole antimicrobial susceptibility disc			
			Concentration - 25 mcg			
			Pack size - 50 disk per cartridge			
			Storage- Room temperature			
			Expiry - 2 years from the time of delivery			
48	ABST-Tylosine - 50 tabs	21	Antimicrobial agent- Tylosin			
			CLSI compliant			
			Cocentration - 30 mcg			
			Tylosin antimicrobial susceptibility disc			
			Test type - antimicrobial susceptibility			
			Pack size - 50 disc per cartridge			
			Storage at 4 C			
			Expiry - 2 years from the time of delivery			
49	ABST-Trimethoprim - 50 tabs	12	5 µg/disc combination			
			CLSI compliant			
			Sterile			
			Packaged moisture-resistantly			
			Ncludes zone interpretation chart			
			Includes product insert			
			Expiry >12 months			
			Validated for synergistic testing with sulphonamides			

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50	Savon - 1L	5	Form - liquid			
			Clorhexidine guconate 0.3% W/V, Citrimite solution 3% W/V			
			Pack size - 1 L			
			Storage- Room temperature			
			Expiry - 2 years from the time of delivery			
51	Teepol - 5L	60	Appearance - colourless			
			Multipurpose liquid detergent, non toxic, bio-degradable			
			Sodium hypochlorite			
			Pack size -5L			
			Storage- Room temperature			
52	Microscope cleaning paper	330	Lint-free soft tissue			
			Suitable for optical glass			
			Antistatic			
53	Micrititer filter 0.2 µm	5	0.2 µm pore size			
			Individually packed			
			Sterile			
			Luer lock			
54	Micrititer filter 0.4 µm	5	0.4 µm pore size			
			Individually packed			
			Sterile			
			Luer lock			
55	Appendrof tube (1000 in pack)	2	sterile			
			autoclavable			
			2ml in volume with a cap			
56	Glass slides (50 slides/pack)	62	75 x 25 mm			
			Pre-cleaned			
			Ground edges			

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57	Pipette tips 1–20 μ L (1000 in pack)	10	1-20 μ L in volume			
			Compatible as universal for all pippets			
			sterile			
			autovlavable			
			(1000 in a pack)			
58	Pipette tips 20–200 μ L (1000 in pack)	6	20-200 μ L in volume			
			Compatible as universal for all pippets			
			sterile			
			autovlavable			
59	Pipette tips 100–1000 μ L (1000 in pack)	10	100-1000 μ L in volume			
			Compatible as universal for all pippets			
			sterile			
			autovlavable			
60	Serum tubes	300	5 mL			
			Medical-grade PET			
			Plain or with clot activator			
			sterile			
			leak-proof caps			
61	EDTA tubes	500	10 mL			
			diameter: 16x100mm			
			Rubber stopper recessed inside the plastic shield			
			Medical-grade PET plastic			
			lavender cap			
			Additive: K2EDTA; 19mg			
			Pcak size : 50			
			Expiry: 2 years from the time of delivery			
			Sterile			

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62	Cotton (500g)	25	100% absorbent cotton wool rolls			
			Surgical grade			
			Sterility: Non-sterile			
			Expiry Date: 3 years from the date of delivery			
63	Cover slips (100)	500	22 x 22 mm			
			No.1 thickness			
			Pre-cleaned			
			In non-stick boxes			
64	18G Needles	1000	Stainless steel			
			2"			
			Luer lock			
			Individually packed			
65	Surgical mask	25	Sterile			
			Latex Free, Hypoallergenic, Fiberglass free and fluid resistant			
			Material - Medical Polypropylene			
			Nonwoven			
			Three ply construction			
			Width 90mm, Length 175 mm			
			3 plates of folds to allow the user to expand the mask so it covers the area from the nose to the chin			
			> 99% Bacterial Filtration Efficiency (BFE) at 5 micron capacity			
			>95% Bacterial Filtration Efficiency (BFE) at 3 micron			
			Comfortable elastane ear loops			
			Built in nose piece molds to the face			
			Pack size: 100 per pack			
			Expiry - More than 4 Years at the time of delivery			