

Annual Requirement - Vaccine Production Centre/VRI- 2025

Serial No	Name of the Item	Specifications	Pack size	Quantity	Bidder's Response		If "No", bidder's specification
					Yes	No	
1.Chemicals/Reagents/Media							
1	Montanide ISA 206 VG mineral based adjuvant	Analytical grade,Ready to use oil adjuvant,Low viscosity,developed for the formulation of (W/O/W) emulsions for cattle vaccine production. Bacterial vaccine production has been optimized for EU and USA product standards or equivalents only, minimum 2 year of shelf life on delivery	25 kg	4			
2	Formaldehyde solution	Analytical grade 36 - 40%	2.5L	5			
3	Yeast Extract	Analitical Grade , suitable in preaparing micorobiological culture media for vaccine production, EU & USA products standards or equivalents,minimum one year of shelf life on delivery	500 g	30			
4	Lab lemco powder	Analytical grade, Meat extract, fine powder form, EU and USA products standards or equivalent	500g	10			
5	Cooked meat medium	Analytical grade, dehydrated medium, brown granules, EU and USA products standards or equivalent	500g	10			
6	Peptone (Bacteriological)	Analytical grade, EU and USA products standards or equivalent	500g	5			
7	Sodium Hydroxide Pellets	Analytical grade, EU & USA products standards or equivalents,minimum one year of shelf life on delivery	1Kg	5			
8	Di-potassium hydrogen orthophosphate Anhydrous	Analytical grade, EU & USA products standards or equivalents,minimum one year of shelf life on delivery	500g	15			
9	Di Sodium hydrogen Orthophosphate Anhydrous	Analytical grade, EU & USA products standards or equivalents,minimum one year of shelf life on delivery	500g	5			
10	Potassium Dihydrogen Orthophosphate	Analytical grade, EU & USA products standards or equivalents,minimum one year of shelf life on delivery	500g	5			
11	D.glucose anhydrous	Analytical grade, EU & USA products standards or equivalents,minimum one year of shelf life on delivery	1 Kg	15			
12	Casein Hydrolysate (Bacterological)	Analytical grade, Fine, homogeneous,hygroscopic powder, suitable in preparing microbiological culture media for vaccine production, EU & USA product standards or equilants	500g	10			
13	Sodium chloride	Analytical grade, EU & USA products standards or equivalents,minimum one year of shelf life on delivery	1 Kg	10			

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14	Aluminium potassium sulphate	Analytical grade, EU & USA products standards or equivalents, minimum one year of shelf life on delivery	1 Kg	5			
15	L – cystein hydrochloride 1 – hydrate	Analytical grade, Suitable in preparing microbial culture media for vaccine production, EU and USA standard or equivalents, minimum one year of shelf life on delivery	100g	20			
16	Anaerobic Catalyst	Packs suitable for anaerobic jar	Pack	10			
17	Potassium permanganate (crystal)	40% High Purity, GPR grade & Crystal	250g	10			
18	Tylosin	Analytical grade, cell culture tested, minimum one year of shelf life on delivery	20ml(8mg/ml)	1			
19	Kanamycin	Analytical grade, cell culture tested, minimum one year of shelf life on delivery	20ml (10mg/ml)	5			
20	Nystatin	Analytical grade, cell culture tested, minimum one year of shelf life on delivery	5Mu (4,400usp)	4			
21	Penstrep	Analytical grade, cell culture tested, minimum one year of shelf life on delivery	100ml (10,000u/ml) 10,000u	6			

2. Laboratory Consumables

1	Pads for Liquid filtration	Round Shape, Diameter 22cm, Thickness 3-5 mm, Pore size 0.2 µm		100			
2	Air/ Gas inline filters	Autoclavable, With PTFE membrane, Housing size 50-65 mm, Input and Output socket size 3-6 mm, Housing pore size 0.2 µm		100			
3	Indicator tape – steam (Autoclave tape)	Self-adhesive, Colour changing (121°C –134°C), Width 25 mm, length 50 m, Yellow Colour	Single roll	20			
4	P ^H Papers	1 to 14 P ^H reading, Reel size 10mm × 5m, Clearly indicate P ^H 7	Single reels	10			
5	Surgical Spirit	Glass bottle with plastic cap	500ml	100			
6	Methylated Spirit	Glass bottle with plastic cap	500ml	50			
7	Surgical Gloves	Latex ,Powder free, small size	100/box	10			
8	Surgical Gloves	Latex ,Powder free, medium size	100/Box	20			
9	Surgical Gloves	Latex ,Powder free, large size	100/Box	10			
10	Surgical Face Mask	3 fold, Disposable	50/pk	60			
11	Disposable caps for lab use	disposable hair net cap, Nonwoven bouffant stretch dust cap 21", blue, Polypropylene (Latex free),	100/pk	6packs			
12	Vaccine filling bottle	200ml, mouth diameter 18mm, Polypropylene, Autoclavable .(15 number of Sample bottles should be submitted to the Technical Evaluation committee)	each	25,000			

Serial No	Name of the Item	Specifications	Pack size	Quantity	Bidder's Response		If "No", bidder's specification
					Yes	No	
13	Bottle stoppers	Diameter 18mm, rubber stopper, ultra pure, Autoclavable, (15 number of Sample bottle stoppers should be submitted to the Technical Evaluation committee)	each	25,000			
14	Aluminium lids	20mm, Seal type, Centre Disk Tear -out, Natural color , Aluminium scalcap for 200ml plastic bottle(Mouth diameter-18mm) (15 number of Sample Aluminium lids should be submitted to the Technical Evaluation committee)	each	25,000			
15	Silicon tube	Hole size 6mm, Wall thickness 2mm		20m			
16	Silicon tube	Hole size 5mm, Wall thickness 4mm		20m			
17	Silicon tube	Hole size 25mm, Wall thickness 4mm		20m			
18	Pourings rings for glass media bottle	GL 45, Blue color & Autoclavable	each	200			
19	Parafilm tape	Flexible, Self sealing, Moisture Resistant, Thermoplastic, Semitransparent, colorless film using for sealing laboratory containers, 4-6cm width, thickness 0.005", 125 feet length, resist temperature 45 c-50c	individual pack	5			

3. Glassware

1	Lyophilization (Freeze drying) vials	Standard 13mm crimping neck finished lyophilization vials, clear glass, volume 2ml ,special design adds to strength for freeze drying applications, compatible and strong enough to hydraulic vial stoppering system of Martin Christ Epsilon 2-10D LSC plus freeze dryer	500/pack	80			
2	Vials stoppers	13mm, rubber stopper, Igloo style or 2 leg, ultra pure, Autoclavable, lyophilization stoppers to fix for above vials .	1000/pack	50			
3	Aluminium lids	13mm , seal type- centre Disc Tear-out, Natural color, aluminium sealcap for above lyophilization (freeze drying) vials	1000/ pack	50			

50 number of Sample vials, stoppers and aluminium seals should be submitted to the Technical Evaluation committee

4. Laboratory Equipment

Serial No	Name of the Item	Specifications	Quantity Required	Bidder's Response		If "No", bidder's specification
				Yes	No	
1	Magnatic stirrer	Stirring Quantity 20L – 30L	1			
		Speed range 100 -2000 rpm				
		Number of stirring position 1				
		Speed adjustment scale 0-6				

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		Heating temperature range 50 c – 200 c					
		LED Temperature display					
		Ceramic Plate material					
		230V voltage – 50-60 Hz Frequency					
		Should be resistance to the chemicals					
		warranty - two years					
2	Microtorch butane burner	Push button,	3				
		Auto ignition with adjustable flame					
		butane gas					
		warranty - two years					
3	Turbidity meter	1. Measurement Range:	1				
		Turbidity: 0 to 1000 NTU (Nephelometric Turbidity Units).					
		2. Accuracy: ±2% of the reading for low ranges (e.g., below 500 NTU). ±3% of the reading for higher ranges.					
		3. Light Source: Infrared or LED light source to ensure high sensitivity and longevity.					
		Wavelength: Typically 860 nm for infrared or 525 nm for white light.					
		4. Sample Volume: Requires minimal sample volume (e.g., 10 to 15 mL).					
		5. Resolution: High resolution for precise turbidity measurements (e.g., 0.01 NTU for lower ranges).					
		6. Display: Digital LCD with backlight.Should display NTU values clearly.					
		7. Calibration: Supports both 2-point and 3-point calibration. Comes with calibration standards (e.g., 0 NTU, 10 NTU, 100 NTU).					
		8. Data Storage: Ability to store at least 50–100 readings.					
		USB or Bluetooth connectivity for data transfer to a computer.					
		9. Power Supply: Rechargeable battery or mains-operated.					
		Battery life: Up to 8–12 hours of continuous use.					
		10. Operating Environment:					
		Temperature: 0°C to 40°C.					
		Humidity: Up to 90% non-condensing.					
		11. Accessories:					
		Glass cuvettes for sample measurement.					
		Cleaning cloth for lenses and cuvettes.					
		Calibration standards and a carrying case.					
		12. Size and Weight:					

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		Compact and lightweight, typically around 1–2 kg.					
		13. Certifications: ISO 7027 compliance for measurement precision.					
		CE or other quality certifications for medical or laboratory equipment.					
		Warranty: 2 years					