## 1.Chemicals for FMD vaccine Production/AVL-2025

Ser.	Name of the Item	Name of the Item I Specification I Pack size I	Quantity	Bidder's response		blader's	
No		·		Required	Yes	No	specificatio n
1	Tryptose phosphate broth	cell culture tested, minimum one year of shelf life on delivery	500g	10			
2	Lactalbumin hydrolysate	cell culture tested, minimum one year of shelf life on delivery	1kg	4			
3	Sodium bicarbonatae (NaHCO3)	cell culture tested, minimum one year of shelf life on delivery	500g	10			
4	cell culture tested, minimum one year of shelf life on delivery		1kg	10			
5	D-Glucose	cell culture tested, minimum one year of shelf life on delivery	1kg	5			
	Montanide ISA 201 VG (Oil Adjuvant)	mineral oil based adjuvant, Minimum 30months of shelf life on time of delivery		300kg			

## 2. Consumables for FMD vaccine Production/AVL-2025

							If "No",
Ser.				Quantity	Bidder's response		bidder's
No	Name of the Item	Specification	Pack size	Required	Yes	No	specificatio
1	Liquid medium Filtration filter pads	Seitz® EKS 220mm diameter,thickness 3.7mm, pore size 0.2µm		125			
2	Centrifuge tubes (1L)	A vegeleveble		100			
3	Cell culture flasks 150CM <sup>2</sup> - 175CM <sup>2</sup>	Sterile, surface area 150-175cm <sup>2</sup> , canted neck, cap (plug seal)		100			
4	Surgical face mask	disposable, 3 ply with ear loop	50/box	25 boxes			
5	Surgical Gloves	Latex ,Powder free, small size	100/box	15 boxes			
6	Surgical Gloves	Latex ,Powder free, medium size	100/box	15 boxes			
7	Surgical Gloves	Latex ,Powder free, Lage size	100/box	10 boxes			
8	Aluminium foil	Thick, Heavy duty, Large	32-35ft/pack	25			
9	Silicon rubber tube	diameter : internal 3.5mm - 4mm,external 5mm, wall thickness 1.5mm		50 Feet			
10	Shoe Covers	Disposable, free size, paper		200		·	
11	Scalper Blade	Sterile, Single use, 22G		200			

## 3.Lab Equipment for FMD vaccine Production/AVL-2025

Seria	Name of the Item	Specification		Quantity	Bidder's response		If "No",
1 No.					Yes	No	bidder's
1	-20 °C Laboratory Freezer	Capacity  Cooling Performance	-30 °C (1/D9 chamber air temperature; ambient temperature 300C,no load	2			
		Control Range	-20 °C to -30 °C with memory backup				
		Defrost System	Frost free system				
		Тор	6 medium baskets(3 fixed evaporator shelves)				
		Bottom	4 large baskets (1 evaporator shelf and bottom)				
		Visual and Audible Alarm system	High/ Low temperature alarm(SV +5°C to 15°C adjustable with ring - back function), Power failure				
		Calibration	Zero adjustment via control panel				
		Electrical Requirement	220-240V, 50Hz				
		Security	Display key lock, keyed outer doors, Standard padlock per door				
		Refrigerant Gas	CFC Free	1			

		Voltage stabiliser	UPS type Rechargeable battery			
		Installation	Supplier should transport the item and install free of charge with necessary catalogues and demonstration			
		Warranty	Minimum 2 years from manufacturer			
		Authorization letter	From manufacturer needs to be submitted			
2	CO₂ Incubator	Capacity	180-185 L	1	_	
			Temperature Range 35-39°C			
		Temparature control	Accuracy -+0.1 celsius to en			
		Temparature control	Type : Digital thermostate with auto regulation			
			Automatic cooling system			
		CO₂ Supply	to maintain stable Chamber for supply CO <sub>2</sub>			
		Air Flow	Hepa Filtration Air Flow			
		All Flow	nepa Filtration All Flow			
		Humidity control	Range: 40%-60% during incul			
			Humidification system: Automated with water reservoirs and sensors for continuous monitoring			
			Humidity Accuracy: -+ 5% relative humidity			

	Air circulation: Built in fans for uniform air distribution
Ventilation	Adjustable airflow system for oxygenation and CO <sub>2</sub> removal
	Ventilation holes with adjustable covers for controlling the internal environment
Power supply	Power requirment: 220V, 50-60Hz
Material and build	Interior: Stainless steel or high-grade plastic for ease Exterior: Insidiated body to
	maintain temperature
	Hygien features: Easy to clean with 70% alcohol or other commonly used disinfectants
Control system	Digital Display:For monitoring ,temperature, CO <sub>2</sub>
	Alarms: Visual and audio alarms for temperature,CO <sub>2</sub> and power failures
Dimensions and Weight	Bench top
Safty features	Overheat protection with automatic shutoff

		All electrical and electronic items, refrigeration system and electrical safety system should comply with EU or DIN standards		
		Water level monitoring system for humidity reservoir		
	Installation	Supplier should transport the item and install free of charge with necessary catalogues and demonstration		
	Warranty	Minimum 2 years from manufacturer		
	Authorization letter	From manufacturer needs to be submitted		

## 4.Glassware for FMD vaccine Production/ AVL-2025

Ser.	Name of the Item	Name of the Item Specification C		Bidder's response		If "No", bidder's specifica tion
No					No	
1	Glass media bottles	2000ml, wide mouth, graduated, with lid and pouring ring, Autoclavable	10			
2	Glass media bottles	500ml, wide mouth, graduated, with lid and pouring ring, Autoclavable	10			
3	Glass media bottles	100ml, wide mouth, graduated, with lid and pouring ring, Autoclavable	15			

4	Microscopic Slide	Super White, Soda lime glass,	200		
		25mmX75mm, Thichness 1mm -1.2mm			