

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

Ser. No	Name of the Item	Specification	Pack size	Quantity Required	Bidder's response		If "No", bidder's specification
					Yes	No	
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	Sodium chloride	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			
6	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**

Ser. No	Name of the Item	Specification	Pack size	Quantity Required	Bidder's response		If "No", bidder's specification
					Yes	No	
1	Liquid medium Filtration filter pads	Seitz® EKS 220mm diameter,thickness 3.7mm, pore size 0.2µm		125			
2	Centrifuge tubes (1L)	polypropylene, translucent, screw closures, Autoclavable		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

Serial No.	Name of the Item	Specification		Quantity	Bidder's response		If "No", bidder's
					Yes	No	
1	-20 °C Laboratory Freezer	Capacity	450-500 Liters	2			
		Cooling Performance	-30 °C (1/D9 chamber air temperature; ambient temperature 300C,no load				
		Control Range	-20 °C to -30 °C with memory backup				
		Defrost System	Frost free system				
		Top	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 <sup>0</sup> C to 15 <sup>0</sup> 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				





			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. No	Name of the Item	Specification	Quantity Required	Bidder's response		If "No", bidder's specification
				Yes	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, 25mmX75mm, Thickness 1mm -1.2mm	200			
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