

**AGRICULTURAL RESEARCH COUNCIL
ONDERSTEPOORT VETERINARY INSTITUTE**

Supply, delivery and Commissioning of a benchtop CO₂ Incubator

Note: Bidders are required to complete the table below and return it with the quotation and brochures/ data sheets

1	Product item Specification	Description	Comply Yes/ No	Details on offer
1.1	Capacity	160 liters (minimum), benchtop with inner glass door		
1.2	Chamber material	Stainless steel, copper enriched chamber for antimicrobial protection		
		Smooth, corrosion-resistant finish, with rounded corners for easy cleaning		
1.3	Shelves	Stainless steel or copper perforated shelves (adjustable), minimum 3 included		
1.4	Temperature range	+5 °C to 50 °C		
1.5	Temperature accuracy	±0.5 °C at 37 °C or better		
1.6	CO₂ control range	0–10 %		
1.7	CO₂ Sensor	Infrared (IR)		
1.8	Humidity	Integrated humidity system with ≥95% RH capability		
		Should have a removable humidity tray for easy cleaning		
1.9	Display	Digital, display of CO ₂ , temperature and humidity		
		Alarm system (visual & audible) for temperature, CO ₂ , humidity deviations, and door ajar		
1.1	Safety features	Over-temperature cut-off		
		CO ₂ supply safety shut-off in case of leak or failure		
		Low CO ₂ pressure alert		
1.11	Contamination control	A sealed system with a HEPA or ULPA filter to prevent airborne contaminants from entering the chamber		
1.12	Utility requirements	Power supply: 220–240 V, 50 Hz (single phase)		
		CO ₂ inlet fitting compatible with standard gas cylinders		

2	Compulsory Requirements	Comply Yes/ No	Details on offer
2.1	At least one-year warrantee is required, though preference will be given to 2-year or longer warranty and/or guarantee		
2.2	Maintenance and operational manuals should be included in English		
2.3	Details of company responsible for after sales support if not similar to the main bidder		
2.4	Local technical support preferable		
2.5	Compliance with ISO standards if applicable. Bidders shall include with the quotation the necessary proof and provide details		
2.6	Power plugs to be compliant with South African standards		
2.7	SANAS Calibration Certificate upon commissioning		
2.8	Delivery period to be specified in the quotation		
2.9	Training to be provided and included in the quotation		