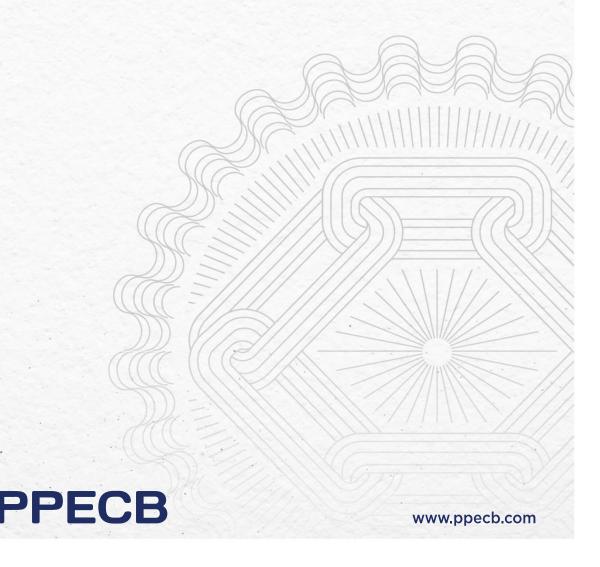
Invitation to submit Proposal.

Request For Information Name: Micro lab Equipment 1

RFI Number: RFI/LAB/MICROLAB1/2025/03

Date of Issue	24 March 2025
Closing Date & Time	04 April 2025
RFI Enquiries	Portia Jonginyanga E-mail: PortiaJ@ppecb.com Tel: +27 21 930 1134
PPECB business hours	08:15 – 16:45
Category	Laboratory Furniture



1 Invitation to Tender

Bidders are invited to submit a Request for Information (FRI) for the supply and installation of Laboratory Equipment to setup the Microbiology lab at the PPECB Laboratory in Centurion.

2 Scope of Service

Bidders are invited to submit their proposal for the supply and installation of Laboratory equipment. Below is the minimum specification for the required items:

Labor	atory Equipment		Comply to Specification		
No.	Description	ΥE	NO .	Reference page	
1	HIRAYAMA HV-50 AUTOCLAVE WITH DIGITAL PRINTER x 1 or equivalent 50 Liter Autoclave, Floor Standing, Vertical chamber Max Temp: 135°C Electromechanical lock system Dual Sensing Interlock Mechanism Double Sensing System for Air Evacuation Process Status Display Process Mode for Agar Programmable Auto Start Optional Accessories Available: cooling fan, digital printer, floating sensor, automatic water supply Outer Dimensions: 540 x 1040 x 530 mm / 57kg Inner Chamber dimensions: 300 mm DIAM x 710mm HIGH	S		and Section No.	
2.	INCUBATORS				

2.1 Low Temperature Incubator- IncoCool x 1 or equivalent
Electronic PID temperature control with digital indication of
set and process value • High accuracy pt100 temperature
sensor • Solid state control relay for optimum reliability •
Reliable refrigeration system with high quality compressor
and components • Grade 304 stainless steel interior • Model
354 supplied with two chrome plated wire shelves, model
356 supplied with four chrome plated wire shelves • Fully
adjustable shelf heights • Cooling can be switched off if
working above ambient • Optional inner glass viewing door
for sample inspection without affecting chamber
temperature • Forced air circulation for excellent
temperature uniformity High quality magnetic door seal to
minimize heat loss • Automatic defrost function

Model:356 Volume:400L Electrical Connection:230V 50hz Power Rating @ 230V (W):1200 Temperature Range:0°C to 60°C Temperature variation across chamber:1°C External Dimensions (WxHXD)mm:685 x 1820 x 810 Internal Dimensions (WxHXD) mm:595 x 1305 x 495 Approx. weight (kg)100



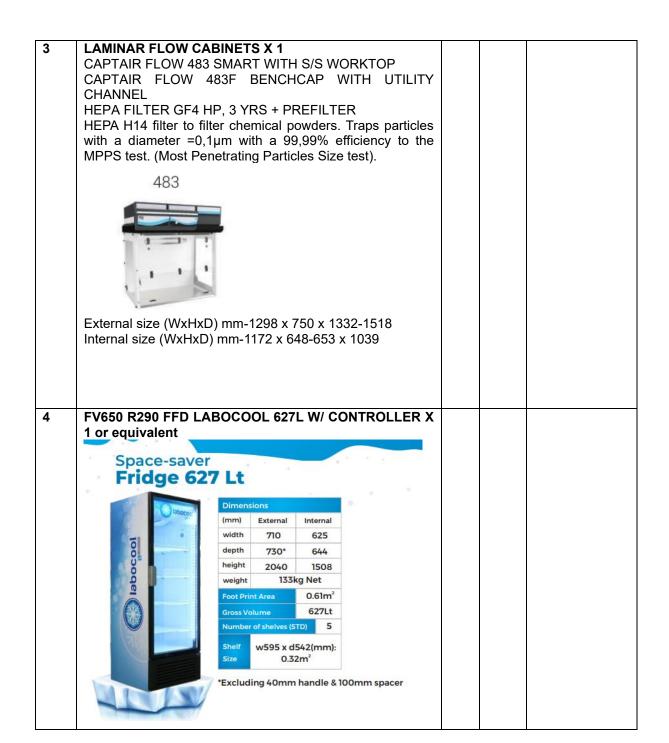
2.2 Incubator- IncoTherm x 1 or equivalent

Features • Choice of five different capacities • Optional inner glass viewing door for sample inspection without affecting chamber temperature • Stainless steel 430 body construction with stainless steel 304 interior and powder coated mild steel door • Slam lock door handle Specific Features: Economy Series • General purpose • Ideal for applications where lower temperature accuracy is acceptable • Hydraulic thermostat control • Operating temperature ambient +10°C to 110°C • Recommended operating temperature from 37°C to 110°C

Specific Features: Digital Series • Ideal for applications where a higher degree of accuracy is required • Electronic PID temperature control with digital display of set and actual temperature to 0.1°C • High accuracy pt 100 temperature sensor • Solid state control relay for optimum reliability and rapid response • Operating temperature ambient +7°C to 110°C • Recommended operating temperature from 37°C to 110°C

Model:400 Economy Incubator Model code:229 Digital Incubator Model code:299 External Dimensions (W x H X D) mm:1010 x 935 x 980 Internal Dimensions (W x H X D) mm:725 x 775 x 755 No. of shelves:2 No. of shelf positions:10





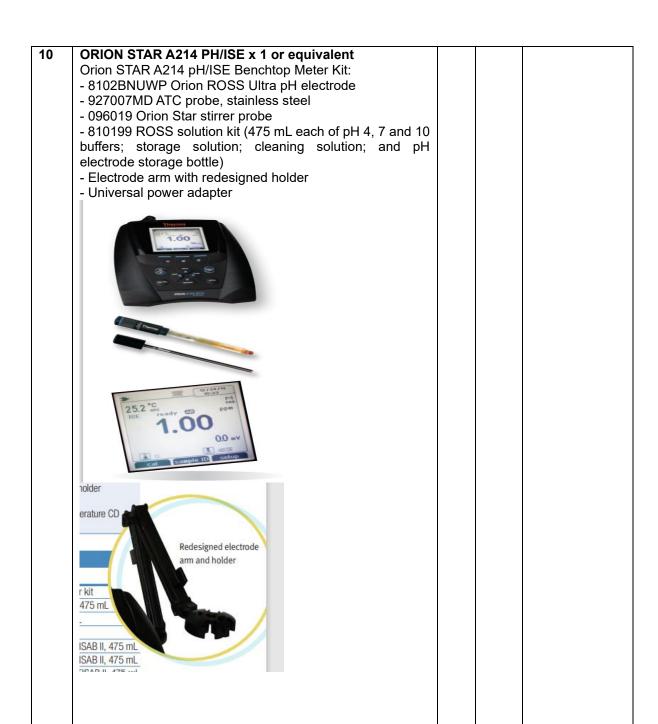
THERMO TSX HP FREEZER -30C, 326L x 1 or equivalent Model: TSX1230FV Temp. range (setpoint): -35° to -15°C (-30°C) Capacity cu. ft. (liters): 11.5 (326) Doors: 1 solid Shelves: 4 Defrost: Auto Interior dimensions D x W x H in. (cm): 21.8 x 20.0 x 52.4 (55.4 x 50.8 x 133.1) Exterior dimensions D x W x H in. (cm): 31.1 x 24.0 x 73.0 (79.0 x 61.9 x 185.4) Shipping weight lbs. (kg): 335 (152)

Thermo Scientific^{**}
TSX 326 liter
freezer

TROLLEY SYSTEEL 2 SHELF x 2 Model: 552 Fitted with stainless steel shelves Sturdy 100mm castors Maximum load per shelf: 50kg Size: 970 x 560 x 900 mm (H x W x D) Trolley with 2 shelves Distance Between Shelves: 510 mm Supplied in knock down form Model 552 MileLe PG8593 GLASSWARE WASHER COMP DRY AE WW AD x 1 or equivalent WW - Hot water connection AD - Connection for demineralised water AE - Stainless Steel Casing 7.1 DOS K 85 x 1 Baskets and inserts Basket sta "Basic", includes 1x A 101, includes: 4101 Upper Basket A150 Lower Basket A150 Lower Basket A300/3 Injector module for Glassware 250 - 1000ml A301/5 Injector module for Glassware 50 - 250ml 2 x AK12/1 1 x A802 Rinse nozzle for powder dispenser 7.3 A304 MODULE x 1 INSTALLATION 7.4 INSTALLATION 1 INST / COMM - W/S (FOC) x 1 DETERGENTS: PROCARE LAB 30C SL – NEUTRALIZER ProCare Lab 10MA-51 * LQ	6			
7 MIELE PG8593 GLASSWARE WASHER COMP DRY AE WW AD x 1 or equivalent WW - Hot water connection AD - Connection for demineralised water AE - Stainless Steel Casing 7.1 DOS K 85 x 1 Baskets and inserts Basket set "Basic", includes 1x A 101, Includes: A101 Upper Basket A150 Lower Basket A300/3 Injector module for Glassware 250 - 1000ml A301/5 Injector module for Glassware 50 - 250ml 2 x AK12/1 1 x A802 Rinse nozzle for powder dispenser 7.3 A304 MODULE x 1 INSTALLATION 7.4 INST / COMM - W/S (FOC) x 1 DETERGENTS: PROCARE LAB 30C 5L – NEUTRALIZER		Fitted with stainless steel shelves Sturdy 100mm castors Maximum load per shelf: 50kg Size: 970 x 560 x 900 mm (H x W x D) Trolley with 2 shelves Distance Between Shelves: 510 mm		
WW AD x 1 or equivalent WW - Hot water connection AD - Connection for demineralised water AE - Stainless Steel Casing 7.1 DOS K 85 x 1 Baskets and inserts Basket set "Basic", includes 1x A 101, Includes: A101 Upper Basket A150 Lower Basket A300/3 Injector module for Glassware 250 - 1000ml A301/5 Injector module for Glassware 50 - 250ml 2 x AK12/1 1 x A802 Rinse nozzle for powder dispenser 7.3 A304 MODULE x 1 INSTALLATION 7.4 INST / COMM - W/S (FOC) x 1 DETERGENTS: PROCARE LAB 30C 5L - NEUTRALIZER		Model 552		
Baskets and inserts Basket set "Basic", includes 1x A 101, Includes: A101 Upper Basket A150 Lower Basket A300/3 Injector module for Glassware 250 - 1000ml A301/5 Injector module for Glassware 50 - 250ml 2 x AK12/1 1 x A802 Rinse nozzle for powder dispenser 7.3 A304 MODULE x 1 INSTALLATION 7.4 INST / COMM - W/S (FOC) x 1 DETERGENTS: PROCARE LAB 30C 5L – NEUTRALIZER	7	WW AD x 1 or equivalent WW - Hot water connection AD - Connection for demineralised water		
INSTALLATION 7.4 INST / COMM - W/S (FOC) x 1 DETERGENTS: PROCARE LAB 30C 5L – NEUTRALIZER	7.1	Baskets and inserts Basket set "Basic", includes 1x A 101, Includes: A101 Upper Basket A150 Lower Basket A300/3 Injector module for Glassware 250 - 1000ml A301/5 Injector module for Glassware 50 - 250ml 2 x AK12/1		
7.4 INST / COMM - W/S (FOC) x 1 DETERGENTS: PROCARE LAB 30C 5L – NEUTRALIZER	7.3			
	7.4	INST / COMM - W/S (FOC) x 1 DETERGENTS: PROCARE LAB 30C 5L – NEUTRALIZER		
		PG 8583		

	Width- 600		
	Height, depth (mm)- 835 (820*), 600		
	Shortest cycle (mins)- 20		
	Capacity: Lab Phials- 128		
	Capacity: Pipettes- 98		
	' '		
	Capacity: Mixed load consisting of lab phials & pipettes- 130		
	Capacity: Mixed load consisting of lab glassware & phials-		
	260		
	Drying- DryPlus		
	Conductivity monitoring- Optional		
	Integrated dispenser pump- 1		
	Powder dispensing		
	Special version for oil-based applications- Optional		
	Integrated feed pump for demineralised water- Optional		
	Drawer for supply canisters (3x5L or 2x10L)		
	Electrical connection 3N AC 400V, 50 Hz		
	Total rated load (kW)- 9.3		4
8	DOSE IT PUMP x 1		
	*Programmable peristaltic pump		
	*Designed to make dispensing of *culture media, buffers &		
	other *Solutions easy and efficient		
	*Compatible with tubing from		
	*1mm for small accurate dose to		
	*8mm for high-volume pumping		
	SUPPLY SCHEDULE:		
	Incl: Sil tubing 4mm ID, 2.5m		
	Dispensing tube		
	Aspiration tubes 10cm & 35cm		
	Tube collar		







MAGNETIC STIRRER/HOTPLATES x 1 Energy regulator control up to 420°C Speed - 60 to 2000 RPM continuously variable 304 stainless steel top 140x140 mm Dimensions (WxDxH)- 165X210X140mm Model STR-MH

Delivery Adress

Centurion Close, Block B, Unit 4, 119 Gerhard Street, Centurion, Gauteng, 0157

On the above table for specification requirements please indicate accordingly on column 3.4~&~5 and return the document with your proposal.

For any enquiries please contact:

Portia Jonginyanga @

PortiaJ@ppecb.com

021 930-1134

For Technical Enquiries Contact:

Thabang Ramogodi

ThabangR@ppecb.com