



YOGI VEMANA UNIVERSITY

Department of Zoology

Vemanapuram, Kadapa, A.P. - 516 005

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Assistant Professor & Principal Investigator, SERB Project

No. NVRR/YVU/SERB/equipment/Call for Quotations/2018

Date: 10-10-2018

Quotations invited

Sir,

Sub: Department of Zoology, Yogi Vemana University, Kadapa – Supply, Installation of “Thermal cycler, Microplate Absorbance spectrophotometer, Hyperoxia (O2 Controller) In vivo Cabinet, Hyperoxia (O2 Controller) In vitro Cabinet for cell culture” - DST-SERB-Project – Call for Quotations – Request – Regarding.

Ref.: 1. Project sanction order from SERB bearing No. EMR/2017/000973 dated 11-09-2018

2. Proceedings of the Vice-Chancellor bearing No. YVU/DEVP/Dr.NVRR/SERB Project/1st installment/Permission/2018-19. Dated 11-10-2018

You are requested to send your lowest price quotation in duplicate towards the supply and installation of “Thermal cycler, Microplate Absorbance spectrophotometer, Hyperoxia (O2 Controller) In vivo Cabinet, Hyperoxia (O2 Controller) In vitro Cabinet for cell culture” accessories” with the specifications listed below with terms and conditions in the name of “**The Registrar, Yogi Vemana University, Vemanapuram, Kadapa-516 005, A.P., India**” so as to reach on or before **31-10-2018** through postal/courier/by-hand. The university is not responsible for the postal delays.

S.NO	Equipment Name/Model	Technical specifications	
1	SimpliAmp™ Thermal Cycler, Part Number : A24811	Block format	96-well, 0.2 mL VeriFlex™ Blocks
PCR volume range		10-100 ul	
Reaction speed		Enabled to run Fast chemistry, Controllable ramp rate	
Program features		Program overwrite protection, auto restart	
VeriFlex Blocks range		10 °C (5 °C Zone to zone with 3 VeriFlex zones	
Temperature accuracy		+/- 0.25 °C (35-99.9 °C)	
Max block range rate		4 °C /Sec	
Temperature range		0-100 °C	

		Max sample ramp rate	3 °C /sec
		Temperature uniformity	<0.5 °C (30 sec after reaching 95 °C)
		Temperature calibration	Calibrated to standard traceable to the national institute of standards and technology
		Dimensions	21x24x46 cm
		Weight	8.3 kg
		Instrument memory	USB and onboard memory
		Display interface	8 inch color TFT LCD
		Power	100-240 V, 50-60 Hz
		Data connectivity	Ethernet or Wi-fi
2	Thermo Scientific Multiskan FC (IVD model) Part # 51119010	Wavelength range	340 – 850 nm
		Half-bandwidth of filters	3 – 9 nm
		Read-out range	0 – 6 Abs
		Linearity (405 nm)	0 – 3 Abs, + 2%, 96-well plate, fast mode 0 – 4 Abs, + 2%, 96-well plate, normal mode 0 – 2.5 Abs, + 2%, 384-well plate, fast mode 0 – 3 Abs, + 2%, 384-well plate, normal mode
		Resolution	0.001 Abs
		Accuracy (405 nm)	+ 1% (0.3 – 3 Abs), + 2% (3 – 4 Abs)
		Precision (405 nm)	CV ≤ 0.2% (0.3 – 3 Abs), CV ≤ 1.0% (3- 4 Abs)
		Measurement speed	6 s, 96-well plate, fast mode, 12 s, 96-well plate, normal mode
		Optional incubator	Temp. range from ambient + 4° C up to 50° C
		Shaking	Linear shaking with three modes: slow, medium and fast
		Robotic compatibility	Yes
		Display	High contrast color display (480 x 272 dots)
		User interface	Internal software or PC control with SkanIt Software
		Internal memory (standalone)	At least up to 99 assay protocols and 100 test results, 96-well plate
		External printer type Communication	HP PCL5, USB for computer connection , USB memory stick position for data export USB for external printer
		Mains input, Power consumption, Overall dimensions, Weight	100 – 240 V (50/60 Hz) Max. 100 Va, standby 8 Va ca. 210 mm (H) x 90 mm (W) x 400, (D)8.5 kg
		PC requirements for SkanIt Software Minimum system requirements	IBMR PC compatible computer with Pentium 4, AMD Athlon XP or faster processor.1 GB RAM, 5 GB free hard disk space, USB, CD-ROM drive, mouse or equivalent, X VGA monitor with 1024 x 768 resolution
		Operating system	Windows XP Professional with service pack 2 or Windows VistaR 32 or 64 bit Business edition
3	Coy Laboratory Product USA make "Oxygen Control for	Code # 8430230	Size : 30"W x 20"D x 20"H, (762 x 508 x 508mm) HSN Code 84192090 Features: O2 controller and sensor Tubing and Fittings for connection to Gas Source(s), Front Loading Door

	In-for Live Animal Studies, in vivo cabinet" Model 30		Pressure relief valve, Two sensor ports for O2 and CO2, Circulation fan, Gas inlet, Pullout sliding shelves
4	Coy Laboratory Product USA make "Oxygen Control Cabinet for Cell Culture Studies In-Vitro Cabinet, Model 2, 2 Shelf.	Code # 8420202	Size: : 11.5" H x 16" W x 15" D, 292 x 406 x 381 mm, HSN Code 84192090 Features: O2 controller and sensor Pressure relief valve Two sensor ports Circulation fan Gas inlet Pull-out sliding shelves Humidification tray

The sealed quotation should invariably be super scribed as “**Equipment name’ against enquiry No: NVRR/ZOOL/YVU/SERB/2018/Equipment, Dt. 10-10-2018**”. You are also requested to send full details like catalog, etc. (if any). Quotations include, terms and conditions, unit price, taxes/duties, warranty period, validity of quotation, payment mode, transport charges, etc.

Thanking you,

Yours faithfully,

[VENKATA RAMI REDDY NARALA]
Principal Investigator, SERB Project
Department of Zoology