Rosem Analytical Instruments

analytical instruments supplier of choice

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INTEGRATING SCIENCE & I C T TECHNOLOGIES

RFQ

Qty	Description	Unit Cost	Total
1	MinION Oxford Nanopore DNA Sequencer kit		
1	Conventional PCR machine (Thermo cycler)		
1	Gel Electrophoresis system		
1	Gel Imaging / documentation system		
10	DNA Extraction kits		
2	Mini Centrifuge		
1	Refrigerated Microcentrifuge for molecular biology applications		
1	Digital automatic colony counter		
2	UV transluminator		
1	Lamina flow cabnet		
1	Class II biological safety cabinet		
1	Elisa reader		
			-
	ALL VALUES ARE IN USD	Sub Total	**-**
		VAT	**INCL**
	S J TUNDUWANI	**Total**	**-**

Number	Item	Secifications
1	MinION Oxford Nanopore DNA Sequencer kit	Portable squencer:Mk1B/Mk1d,USB3.0,<100g,1 x unit,Flow cells:2xR10.4.1 with 512 nanopore channels,Library kits:Rapid Barcoding kit 96 (SQK-RBK110.96)+ Wash kit,Throughput: 10-20Gb per flow cell,read length N50>10kb, accuracy>99% raw,Software:Min spec-i7 10th gen,16GB RAM,512GB SSD, Windows 11 Pro
2	Conventional PCR Machine (Thermocycler	96 well block:96 x 0.2ml tubes, plates, strips compatible, Heating: Peltier, ramp rate >/=3.5 degrees Celsius /sec, temp range 4 -99.9 degrees Celsius, Accuracy:+/- 0.2 degrees Celsius, uniformity +/-0.3 across block, Gradient: Yes,30 – 100 degrees Celsius range, Lid: Heated lid 30-110 degrees Celsius
3	Gel Electrophoresis System	Complete set: Horizontal tank,casting trays (15 x 7cm &15 x 15cm), 4 combs (1.0mm & 1.5mm), Volume: 400 -600ml buffer, Power Supply: 10- 300V,10-400mA,3pairs of terminals, timer 1min - 99hr
4	Gel Imaging/ Documentation System	Camera: 5.0MP monochrome scientific CMOS, auto focus, Light: Blue LED 470nm (safe) +UV 302nm options in Same unit, Filter : Amber filter for SYBR, Safe, GelRed, EtBr, Analysis software: Band quantification, MW calculation, colony count, Darkroom: Integrated, no external darkroom needed, with 10" tablet display, Export: USB, WiFi
5	DNA Extrction Kits (250 prps each)	a) Blood/Tissue/Bacteria kit: spin column,20-50µg yield,<60min b) Plant Mini Kit: with polysaccharide/polyphenol removal c) Soil DNA Kit: 0.25g soil, humic acid removal,A260/280 1.7-1.9,All with buffers ,columns, collection tubes, protocol
6	Mini centrifuge	Speed: 6000- 7200rpm (2000-2600 xg),Capacity: 8 x 1.5/2.0ml+ 2 x PCR strips (8 well), Brushless motor, quick brake, lid safety interlock

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7	Refrigerated Microcentrifuge for Molecular Biology	Speed: 15000rpm/ 21380 xg max,Capacity: 24 x 1.5/2.0ml sealed rotor (aerosol tight) Temperature:-10 degrees Celsius to =40 degrees Celsius, fast pre cool, CFC –free, Timer: 10sec to 99min + continuous, short spin button, Noise:<56dB, imbalance and lid alarm
8	Digital automatic Colony	Type: Automatic image analysis+ manual marker pen, Plate: 50 – 90mm dishes, Light: White LED + dark field, glare free,Count:0-999,resolution 1mm,magnification2-4x,Data: USB export to excel, average CFU calculation
9	UV Transluminator	Viewing:20 x 20cm filter area, 302nm mid-range UV, Safety: UV- blocking cover with auto shut –off, viewing window, Intensity: High/low switch, Compatible with gel imaging system above
10	Lamina Flow Cabinet	Vertical lamina flow, 900mm wide, Velocity: 0.3-0.5 m/s adjustable, Surface stainless steelwork deck, tempered glass sides ,Features: UV lamp with timer, fluorescent light, hour metre ,<65dB
11	Class II Biological Safety Cabinet Type A2	Size : 900mm witdth,NSF49/EN12469certified,Type:Class II A,70% recirculation 30%exhaust,motorised sash, Filters: 2x HEPA H14 supply & exhaust, Airfow: inflow 0.53m/s Downflow 0.33m/s with alarm, Features: LCD showing airflow, UV light, LED light, gas tap optional, on stand Must include canopy exhaust adaptor
12	ELISA Reader	Type: 96- well micro plate absorbance reader, Wavelength: 400 -750nm with 4filters standard: 405 -750nm with 4 filters standard: 405,450,492, 630nm, 8 filter positions, OD Range:0.000-4.000 OD, resolution 0.001OD,Accuracy: +/-1% (0-2OD), resolution 0.001 OD , Accuracy: +/-1% (0-2OD) precision CV <1%,Modes: Endpoint, kinetic, single/multi wavelength, shaking, Incubation: Optional up to 50 degrees Celsius