

ESTIMATES REQUEST

MINISTRY OF AGRICULTURE ST. KITTS

Date: 22nd February 2023

Item	Description of Equipment for Microbiology Laboratory	Installation Required	Amount
1	Fully automated benchtop autoclave	yes	1
2	Lanco 4' purifier Axiom C1 bio-safety cabinet	yes	1
3	Remote blower, ducting and accessories for installation of Lanco 4' purifier Axiom C1 biosafety cabinet	yes	1
4	Microscope: Motic BA410E 50W Binocular Sextuple. Head Siedentopf type 30, inclined, 360 rotating	yes	3
5	Binder incubator, BF115, 50/60Hz	yes	1
6	Standard Bunsen Burner with flame stabilizer	yes	2
7	Bacti-cinerator IV heat chamber	yes	1
8	Frontier 5000 multi pro centrifuge 230V~50/60Hz	No	1
9	Digital Vortex mixer with timer 50/60Hz	No	1
10	Digital ceramic hot plate stirrer 50/60Hz	No	1
11	Variable speed bench rocker with 12x14' table, 50/60Hz	No	1
12	Adventure precision balance, Max capacity 420g, resolution 0.001g	No	1

Item	Description of Equipment for Microbiology laboratory consumables, no installation required	Comments	Amount
2	Autoclave polypropylene bags 25.4x38.1cm	Pk/100	1
3	Autoclave polypropylene bags 30.5x61cm	Pk/100	1
4	Autoclave polypropylene bags 61x76.2cm	PK/100	1
5	Autoclave tape lead free 60 yards	25.4mmx54.86m	4
6	Laboratory brush set, L33cm, W of brush 2", tip type:	foam, polypropylene bristles	3
7	Oil emersion	5ml	2
8	wheaton Alcohol burners borosilicate glass with cover	100ml	3
9	Slide drying rack, clear acrylic construction.	Dry up to 30 slides	4
10	Microscope slides 75x50mm, plain, thickness 0.96 to 1.06mm	1 case/720	1
11	Microscope cover slips	1000/pk	1
12	Electron microscopy Science hybrislips 22x22 mmRnase and DNase free	pkg.100	2
13	Lint free absorbent pads	1cs/750	1
14	Disposable petri-dishes 60x15mm, mono petri-dishes anaerobic fully stackable (EO sterilization)	20/bag	
15	Disposable petri-dishes 100x15mm, slippable for automation	20/bag	1
16	Thermometer digi sense general purpose liquid in glass, -2- to 150C, 76mm immersion Organic liquid filled.		2
17	Thermometer digi sense general purpose liquid in glass, -10 to 225C. Organic liquid filled.		1
18	Gram stain kit		1
21	Evergreen Specimen container, 4oz with screw cap, sterile, graduated, polypropylene	Cs/100	1
22	Wheaton coplin staining jars with glass cover slips	Cs/6	1

Item	Description of Equipment Histopathology Laboratory	Installation Required	Quantity
1	Sakura High profile Microtome	yes	1
2	Sakura Tissue – Tek TEC 5 Embedding console System with startup consumables	yes	1
3	Boekel Scientific Histology wax dispenser 5 L capacity	yes	1
4	Labconco™ 4 Ft. Protector™ Premier™ Canopy Hood	yes	1
5	Motech grossing station with leg assembly	yes	1
6	Sakura Histotek vp 1 tissue processor	yes	1
7	Sakura tissue Tek SL stainer	yes	1
8	Sakura slide and block storage cabinet	yes	1
9	Frontier 5000 multi pro centrifuge 230V~50/60Hz speed range 200rpm-16000 rpm	No	1
10	AREC.X Digital ceramic hot plate stirrer 50/60Hz	No	1
11	Slide warmer with anodized black surface	No	1
12	Tissue flotation water bath	No	1
13	Sakura Cyto Tek cytocentrifuge	No	1

Item	Description for Histopathology consumables, no Installation Required	Comments	Quantity
1	Sakura low profile Microtome blade	10x50	1
2	Microtome aligner tool, included with the microtome		
3	Microtome oil, included with the microtome		1
4	Wafer Tweezers		
5	Sakura High profile microtome blade	BX of 10x50	1
6	Dissecting probes		1
7	Plastic forceps		1
8	KIMAX Low form Griffin glass beakers W/spout 100ML	Cs/48	1
9	KIMAX Low form Griffin glass beakers W/spout 250ML	Cs/48	1
10	KIMAX Low form Griffin glass beakers W/spout 600ML	Cs/36	1
11	KIMAX Low form Griffin glass beakers W/spout 1000ML	Cs/24	1
12	Polypropylene Centrifuge Tubes, Sterile 250 ml plug seal	Cs/102	1
13	Polypropylene Centrifuge Tubes, Sterile 50ml	Cs/500	1
14	Polypropylene Centrifuge Tubes, Sterile 15ml, autoclavable, plug seal resistant screw cap, Rnase/Dnase and pyrogen free	Cs/500	1
15	Polypropylene Centrifuge 5ml Tubes, Sterile screw cap, graduated in 0.5ml increments	Cs/500	1
16	Falcon 50ml conical flask, high clarity, sterile polypropylene tubes, conical bottom tubes.	Cs/500	1
18	Cytology spin slides	Cs/144	1
21	Sakura mounting medium	16 oz	1
22	Citrisolv	Gal	1

Item	Description for PCR Laboratory Equipment	Installation Required	Quantity
1	Real-time PCR system, PCR Max Delta system veterinary and agriculture applications.	yes	1
2	Desktop computer	yes	1
3	Kleen key mouse	yes	1
4	Kleen keyboard	yes	1
5	Printer	yes	1
6	Molecular diagnostic probes	yes	1

Item	Description for Cold Storage Room	Installation Required	Quantity
1	Arctiko LR 700 Biomedical Refrigerator, DIA 0250 white cabinet, single pane reversible. Perforated stainless steel shelves, stainless steel shelves with supporters, voltage stabilizer. Capacity (L) 618	Yes	1
2	Arctiko PR 1400 Biomedical refrigerator, DIA 0870, white cabinet, glass double pane reversible door. Capacity (L) 1381	Yes	1
3	Arctiko ULUF 700 low temperature freezer, ULUF700, DIA 1400, single pane solid door, capacity (L) 680	Yes	1
4	Arctiko ULUF 750-2m ultra low temperature freezer, DIA 1383, White cabinet, single pane door, capacity (L)642	Yes	1

Item	Description of Equipment for Serology Laboratory	Installation Required	Quantity
1	Lockers, Paramount lockers 3 tier 1215"x24" 3 door, assemble blue	yes	18
2	Thermoscientific smart flow biosafety cabinet Lanco 4" purifier cell logic+, Class 11 A2	yes	1
3	Mindray BC 5000 vet Hematology Analyzer	yes	1
4	Nova Biomedical Prime plus vet blood gas analyzer	yes	1
5	Biochemistry Analyzer, Midray BS240 vet	yes	1
6	Digital Vortex mixer with timer 50/60Hz	No	1
7	Bench rotating mixer with 3 rotisseries, for all common tube sizes. Adjustable speed, tilt angle reversing mode, cold room and incubator safe. 50/60Hz.	No	1
8	Frontier 5000 multi pro centrifuge 230V~50/60Hz	No	1
9	Variable speed bench rocker with 12x14' table 50/60Hz	No	1

Item	Description for Serology laboratory Consumables, no Installation Required	Comments	Quantity
1	Flex seal safety goggles anti-fog	All silicone body	4
2	Microflex power grip latex gloves, lightly powered, fully textured	Small 100/box	4
3	Microflex power grip latex gloves lightly powered	Medium100/box	4
4	Microflex power grip latex gloves lightly powered	Large100/box	4
5	Laboratory Chair, Black polyurethane bench height Ergonomic chair. Glides, tilt seats, adjustable arms, foot ring, regular casters		8
6	Filing cabinets ALB plus 4 fix drawer front filing.		8
7	Metro stainless steel wire shelf trucks 48Wx24D shelf		1
8	Digi-sense four channel, jumbo display clock /timer		2
9	Disposable pipette, graduated, large bulb, 7.5ml	500/Cs	1
10	Pipette controller, Argos Technologies bulb pipette filler	Up to 50mls	3
11	96 well flipper microtube racks	Cs/10	1
12	Globe Scientific Snap cap polyethylene test tubes 16mm	Cs1000	1
13	Wheaton mounting media/balsam bottles	Pk/6, 100ml	3
14	3M food safety quick swab	Bx/50	1
15	Safety wash bottles, 500ml capacity	Pk/6	1
16	Pipette stand, chrome plated steel, adjustable height up to 450mm		2
17	Spatula set of 6		3
18	Parafilm, 4"x250ft(100mmx75m) colorless, moisture- proof film molds to surface.		1
19	4oz evergreen Scientific Specimen containers, screw cap, sterile,graduated, polypropylene.	Cs/100	2
20	Filter paper,health care grade 1 quality	Pk/100	3
21	Short stem funnel, glass,100mm dia	Pk/6	1
22	Corning pyrex graduate cylinders with spout 100ml	Pk/1	2
23	Corning pyrex graduate cylinders with spout 250ml	Pk/1	2
24	Corning pyrex graduate cylinders with spout 500ml	Pk/1	2
25	Corning pyrex graduate cylinders with spout 1000ml	Pk/1	2
26	Vacusera red top tubes	Pk/100	1
27	Nichrome/ Aluminum inoculating loops, 5mm loophole	Pk/12	1
28	Micro-tube rack 96 well flipper	Cs/10	1

Laboratory Components	Description for Countertops	Installation Required	Quantity
Microbiology	Epoxy resin countertops 30/ 36"W/4" backsplash, wall cases, combination cabinets, corner cabinets, sink cabinet, epoxy resin drop-in sink, deck mounted mixing faucet, 1 1/2 polypropylene outlet. 1 ¼ poly stopper,1 ½ polypropylene p-trap, deck mounted drench hose, hand sink etc	Yes	1
Histopathology	1" thick epoxy resin countertop 36"/4" back splash, knee space drawer frame, knee space rails, knee space panels, end legs sink and faucet.	Yes	1
PCR	Room 127: Epoxy resin countertops 36" W/4" backsplash, wall cases, combination cabinets, corner cabinets, sink cabinet, epoxy resin drop-in sink, deck mounted mixing faucet, 1 1/2 polypropylene outlet. 1 ¼ poly stopper,1 ½ polypropylene p-trap, deck mounted swivel eye wash, hand sink etc.	Yes	1
	Room 128: Room 127: Epoxy resin countertops 36" W/4" backsplash, wall cases, combination cabinets, corner cabinets, sink cabinet, epoxy resin drop-in sink, deck mounted mixing faucet, 1 1/2 polypropylene outlet. 1 ¼ poly stopper,1 ½ polypropylene p-trap, deck mounted swivel eye wash, hand sink etc.	Yes	1
Serology	Epoxy resin countertops 36"W/4" backsplash, wall cases, combination cabinets, corner cabinets, sink cabinet, epoxy resin drop-in sink, deck mounted mixing faucet, 1 1/2 polypropylene outlet. 1 ¼ poly stopper,1 ½ polypropylene p-trap, deck mounted swivel eye wash, hand sink etc.	Yes	1
Lunchroom	Powered coated steel cabinets 36"x34-3/4"x 22"D	Yes	1
	Powered coated steel cabinets 18"x28-3/4"x 22"D	Yes	1
	Powered coated steel wall cabinets 36"x 30"x 18"D and 30x30"x18"D	Yes	1
	One inch thick black epoxy resin countertops with 4" H backsplash	Yes	1
	Stainless steel, single handle, water faucet	Yes	1
	Under mount stainless steel sink 15x 17x 8", center drain	Yes	1
	Under cabinet, stainless steel 30" range hood	Yes	1
	Stainless steel ceramic double hot plate 21-1/2"x 4-5/8"x15"	Yes	1