

TECHNICAL SPECIFICATION FOR:

UPLB-S-093-10-19, SUPPLY AND DELIVERY OF BRANDED AND BRAND NEW VARIOUS LABORATORY EQUIPMENT

DATE OF PREBID CONFERENCE:

Wednesday, 2 October 2019 10:30 AM

DEADLINE FOR SUBMISSION OF BIDS:

Wednesday, 16 October, 2019 1:15 PM

OPENING OF BIDS:

Will follow shortly after the deadline of the submission of bids

LOT #	ITEM #	REVISED SPECIFICATIONS	OFFERED SPECIFICATIONS (write down detailed offered specifications)	REFERENCES (include supporting documents)	COMMENTS/ REMARKS (clarify inclusion/ exclusion)	EVALUATION
1	1	<p>BRANDED AND BRAND NEW BINOCULAR MICROSCOPE</p> <p>with rechargeable batteries</p> <p>Specifications:</p> <p>Eyepiece:</p> <p>Wide field WF 10x/18mm eyepiece(s); Secured and with pointer for monocular versions</p> <p>Head:</p> <p>Monocular models with 45° inclined tubes</p> <p>Binocular models have 45° inclined tubes, adjustable interpupillary distance between 48 and 75 mm and a ± 5 diopter adjustment on left tube</p> <p>Trinocular models have 30° inclined tubes, interpupillary distance is adjustable between 48 and 75 mm and equipped with a ± 5 diopter adjustment on the left tube</p> <p>The trinocular head has a fixed light path beamsplitter (50:50) and generates an erect image</p> <p>Models with digital head are supplied with an integrated 1.3 MP 1/2.5" CMOS sensor with 1272 x 952 pixel resolution USB 2.0 camera</p> <p>LCD version with minimum of 5.6" LCD screen</p>				

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		All heads are 360° rotatable and secured except for the LCD head, which is secured fixed				
		Nosepiece: Revolving nosepiece for 3 or 4 reversed objectives on ball bearings				
		Focusing: Coaxial coarse and fine adjustments, 200 graduations, 15 µm per graduation, 3 mm per rotation,				
		total travel approximately 15 mm				
		Supplied with an adjustable rack stop to prevent damage to sample and objectives				
		The coarse adjustments are equipped with friction control				
		Stage: 115 x 100 mm stage with integrated 55 x 20 mm X-Y mechanical stage				
		Objectives: Achromatic 4x/0.10, 10x/0.25 and S40x/0.65				
		The S40x, S60x and S100x oil immersion objectives are spring loaded				
		All optics are anti-fungus treated and anti-reflection coated for maximum light throughput				
		Condenser: Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder				
		Illumination: All monocular versions are supplied with an adjustable 1W LED illumination				
		The binocular and trinocular versions are supplied with a replaceable 1 W LED illumination system for				
		increased light output				
		All models have internal rechargeable batteries with an external 100-240 V battery charger/mains adapter				
		Camera: All the built-in digital camera microscopes are equipped with at least 1.3 MP CMOS USB-2				
		camera				

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		Maximum resolution 1272 x 952, 24 bits color depth, up to 30 frames per second				
		Delivered with software, USB-2 cable and a micrometer 1mm/100 slide				
		Software: The capture and analysis ImageFocus 4 software allows to save images in .jpg, .tif or .bmp formats as well as				
		.avi format videos				
		Images can be annotated and measurements can be performed in live or captured images				
		Compatible with Windows 7, 8 and 10, both 32 and 64 bits configurations				
		Mac OS Light version is also available for capturing images				
		LCD Screen: All the LCD microscopes are equipped with minimum of 5.6" LCD screen				
		Screen resolution 640 x 480				
		Save images and videos directly to SD card				
		Image resolution 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480				
		In .JPEG format				
		Video resolution 640 x 480 in .AVI format				
		Delivered with Imagebasic software, USB-2 cable				
		Image Basic Software				
		The capture software allows to save images in .jpg as well as .avi format videos				
		Compatible with Windows 7, 8 and 10, both 32 and 64 bits configurations				

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		Warranty: 2 years on parts and services				
		Delivery: 30 Calendar Days Upon Receipt of NTP				
	2	BRANDED AND BRAND NEW HANDHELD GPS				
		General				
		Physical Dimensions: 2.4"x4.5"x1.3" (6.1x11.4x3.3cm) approx.				
		Touchscreen: Yes				
		Display Size: minimum 1.5"Wx2.5"H (3.8x6.3cm); 3" diag(7.6cm)				
		Display Resolution: 240x400 pixels				
		Display Type: transfective color TFT touchscreen				
		Weight: approximate 7.4oz(209.8g) with batteries				
		Battery life: up to 16hours				
		Water rating: IPX7				
		Memory/History: 4GB or higher				
		High-sensitivity receiver				
		Interface: high speed USB and NMEA 0183 compatible				
		Maps & Memory				

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		Ability to add maps				
		Basemap				
		Storage: and Power Capacity: microSD card up to 32GB(not included)				
		Waypoints/favorites/locations: 10,000				
		Routes: 250				
		Track log: 20,000 points, 250 saved tracks				
		Sensors				
		Barometric altimeter				
		Compass: (tilt-compensated 3-axis				
		Outdoor Recreation Features:				
		Area calculation				
		Automatic routing(turn by turn routing on roads): Yes (with optional mapping for detailed roads)				
		Geocaching-friendly: Yes(paperless)				
		Custom maps compatible				
		Hunt/fish calendar: Yes				
		Sun and Moon information				
		Camera:(minimum 8 megapixel with autofocus; digital zoom)				

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		Additional:				
		* Wireless compatible:(Wi-Fi, Bluetooth and ANT+)\Map segments: 15,000				
		Active weather: Yes				
		Connect IQ compatible: (data fields)				
		Flashlight				
		Warranty: 1 year on parts and services				
		Delivery: 30 Calendar Days Upon Receipt of NTP				
	3	BRANDED AND BRAND NEW PORTABLE PH METER				
		pH Range: 0 to 14 pH				
		Resolution: 0.01pH				
		Accuracy: ±0.01pH				
		Cal Points: 5				
		Buffer Options: USA, NIST, Custom				
		ORP Range: ±2000mV				
		Resolution: 1mV				
		Accuracy: 1mV or 1% reading(whichever is greater)				

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		Temperature Range: -30.0° C to 130.0° C				
		Resolution: 0.1° C				
		Accuracy: ±0.4° C				
		Cal option				
		Memory: 1000				
		Data Logging				
		Real time clock				
		Date/time stamping:				
		Auto shut-off: (programmable: 1 to 30 mins)				
		Auto-hold				
		Averaging/Stability: Automatic				
		Offset display				
		Slope display: Yes(independent acid and alkaline slopes depending on calibration)				
		Cal Alarm: (programmable: 1 to 400 days)				
		Electrode status: On screen display				
		Diagnostic messages				
		Display: Custom LCD with backlight				

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		Inputs: BNC, phono, DC sockets				
		Outputs: RS232C				
		IP rating: IP67, shock resistant				
		Power requirements: 2x'AAA' or LR03 or Ni-H rechargeable batteries or power adaptor				
		Battery Life: 1000hrs				
		Kits included: Carrying Case, Calibration Solutions, pH electrode, black				
		Warranty: 1 year on parts and services				
		Delivery: 30 Calendar Days Upon Receipt of NTP				
	4	BRANDED AND BRAND NEW SIMPLE DISSECTING MICROSCOPE				
		Specifications:				
		Head: 45 degree inclined binocular				
		Widefield Eyepieces: WF20x				
		Objectives: 2X & 4X				
		Diopter Adjustment: +/-5dp				
		Interpupillary Distance: 2-3/16" - 2-15/16"(55-75mm)				
		Working Distance: 2-1/8"(53mm)				

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		Frosted Glass Objective Plate: 3-3/4"(95mm) in diameter				
		White/Black Plastic Objective Plate: 3-3/4"(95mm) in diameter				
		Illumination: AC 220V power supply, 12V/10W bulbs, 50-60 Hz				
		Accessories: a pair of eye-caps, a pair of clips and dust cover				
		Additional Specification:				
		Microscope Type: Stereo				
		Application: Dissecting, Student/School				
		Head Type: Binocular				
		Field view: Widefield				
		Head Type: Binocular				
		Objective Power: 2X, 4X				
		Eyepiece Power: 20X				
		Eyepiece Size: 30.5mm				
		Microscope Stand: Table Stand(pillar)				
		Features:				
		45 Degree Inclined Binocular Head with Locked-in Eyepieces				
		Two Magnification Settings: 40X & 80X				

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		Sharp Stereo Erect Images over a Wide Field View				
		Metal Body Construction with Pillar Stand				
		Ocular-tube with Adjustable Diopter				
		Accurate Alignment Ensuring a Fatigue-Free Long Hour Viewing				
		Full Optical Glass Elements				
		Precise Ground Glass Lens				
		All metal Mechanical Components				
		Adjustable Interpupillary Distance				
		Built-in Incident(top) and Transmitted(Bottom) Illumination System				
		GS & CE Approval Electric Apparatus				
		Extra Bulb, White/Black Base Plate and Rubber Eyeguards included				
		Manufactured under ISO 9001 Quality Control Standard				
		Warranty: 1 year on parts and services				
		Delivery: 30 Calendar Days Upon Receipt of NTP				
2	1	BRANDED AND BRAND NEW SUBMARINE ELECTROPHORESIS SYSTEM				
		Components:				

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		Safety Lid				
		power supply				
		gel casting stand-HR				
		two (2) small gel trays (130 mm (W)) x 59.5 mm (L) x 16.5 mm (H)				
		one (1) large tay 130 mm (W) x 122 mm				
		four (4) combs, and a center partition				
		High Capacity:				
		can support 13 or 26 lanes, enabling sample loading with multipipettors (19mm pitch for 13 wells, 4.5 mm pitch for 26 wells)				
		Voltage Range: 18V, 25V, 35V, 50V, 70V, 100V, and 135V				
		Voltage Compatibility: 100 to 240V				
		Heat-resistant materials: up to 100 degree celcius can be poured into the Gel tray				
		Overall Dimensions: 183 mm(W) x 162 mm (L) x 59 mm (H)				
		Timer Function: 0-99 min or continuous mode				
		Compatible with Multi-channel pipettes: allows simultaneous 104 samples on a single gel (26 wells 4 rows, (96 sample + 8 markers))				
		Materials: PPHOX				

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		Sample Volume: approx.270-320 ml (including gel tray and gel)				
		Well capacity: 13-26 wells				
		Warranty: at least 1 year on parts and services				
		Delivery Period: 45 Calendar Days				
3	1	BRANDED AND BRAND NEW LAMINAR FLOW HOOD				
		Dimension: 48"L x 42"W x 78"H				
		Laminated stainless steel table top with One unit imported brand H.E.P.A. filter with airflow efficiency of 99.95%				
		with Replacement type pre-filters				
		with Vertically sliding flexi-glass door with aluminum framing and plastic pulls				
		with ¼" thick glass enclosure				
		with 1 light diffuser and rigid plastic louver;				
		with 1 unit electric motor, 220v, 60 hz, single phase cont. type				
		warranty: 1 year on parts and service				
4	1	BRANDED AND BRAND NEW TOP LOADING BALANCE				
		Capacity: 360g				

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		Resolution: 0.001g				
		Weigh Pan Diameter: minimum of 80mm				
		Net Weight: 1.1kg				
		Operating temperature: 10 to 40°C				
		Power supply: 220V				
		Warranty: 1 year on parts and services				

Note: Please fill-up applicable columns.

End-user:

Signature over Printed Name

Signature of Representative: _____

Name of Representative: _____

Position: _____

Company: _____

Address: _____

Telephone/ Fax: _____

Email: _____