**RFQ049 Appendix B, Lot 2 Bio Science Laboratory**

Please see below the specifications for the following

* **Digital microscopes**
* **Laminar Flow Cavinet**

**Digital microscopes**

* Total magnification: 40x, 100x, 400x
* Eyepiece: Wide Field 10x/18mm
* Head: Monocular digital observation head, 360° rotating, with 45° inclined eyepiece tube
* Nosepiece: Quadruple revolving nosepiece, rotation on ball bearings
* Objectives: Anti-fungal treated achromatic DIN
* 4x A.N. 0.10, W.D. 18mm
* 10x A.N. 0.25, W.D. 7mm
* 40x A.N. 0.65, W.D. 0.53mm
* Stage: : Double layer with mechanical sliding stage with specimen holder, 125 x 116mm. X-Y movement range 76 x 30mm. Vernier scale on the two axes, accuracy 0.1mm
* Focussing: Coaxial coarse and fine focusing mechanism (graduated 0.002mm) with upper stop. Adjustable tension of coarse focussing knob
* Condenser: Abbe condenser, N.A. 1.2 pre-centred
* Illumination: 1W LED with adjustable intensity
* LED Details: 1W, 6300K colour temperature, average lifetime approx. 50000h
* Dimensions: H350 x W170 x D210mm
* Weight: 4kg
* Voltage: External power supply 100/240V, 50/60Hz, output 6V D.C. 2.5A. Internal NiMH rechargeable battery (up to 15 hours of use from a single charge, LED at medium intensity)
* Accessories included: Power supply, OPTIKA Vision Lite software disc, 1.8m USB cable, dust cover and instructions

Digital Camera Specification:

* Resolution: 1280 x 1024 pixels, 5:4 aspect ratio
* Pixel size: 2.8μm x 2.8μm
* Sensor: 1/3.2”CMOS
* Output: USB 2.0 port
* Framerate: 15fps (1280 x 1024) or 30 fps (640 x 480)
* S/N Ratio: 42.3dB
* Dynamic Pro Range: 71dB
* Exposure Time: 20s - 1/1000s
* Effective Digits: 10bit - on chip
* Sensitivity: 1.0 V/lux-sec (550nm)
* Software: OPTIKA Vision Lite for Windows XP, Vista, 7, 8 (32/64bit)

**Laminar flow cabinet**

* Hood Width (in)39
* Exterior Width (in)39.5
* Exterior Height (in)53
* Exterior Depth (in)24.75
* Interior Width (in)38
* Interior Height (in)34
* Interior Depth (in)21.5
* Power (VAC)115
* Power (Hz)60
* Exhaust Volume (CFM)135
* Description39" Laminar Ductless Fume Hood, 115V

**Microcentrifuge**

This compact mini-centrifuge is ideal for quick spin downs from tube walls and caps.

* Use to microfilter cell separations and HPLC samples.
* Most spins last around 20 seconds,
* Operation is extremely simple load tubes, close lid and press on/off button. For repeated spins, simply open or close the lid to operate.
* Internal safety switch ensures unit will not operate with lid open.
* The rubber footplate includes soft feet to increase stability and deaden vibrations. Remove cord for compact storage. Unit is CE marked and complies with RoHS directive.

**Specifications:**

Maximum speed 6000 rpm

Maximum RCF 2000 x g

Dimensions 153 x 128 x104 mm

Power:220/230 VAC, 50/60 Hz