**RFQ049 Appendix B1, Lot 1 Biology**

Please see below the specifications for the following

* **Precision &Analytical Balance**
* **Digital microscopes**
* **Advanced Colony counter**
* **Microscope Camera**
* **Phase contrast microscope**
* **Data log kit biology**
* **NDD Easy On-PC (TrueFlow) PC Based Spirometer**
* **Water baths 18l Digital**
* **Binocular Microscopes 100x oil immersion lenses**
* **Portable Balance (500g) 0.01g**

**Precision &Analytical Balance**

* RS232 Interface
* Weighing modes: Grams and Newtons
* Multiple application modes and units
* Weigh-below hook
* Integral security bracket
* Integral menu lock
* AC Adaptor

**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)

**Advanced Colony counter**

Stuart SC6 Plus Colony Counter

The SC6+ colony counter is easy to use. Simply place the petri dish on the electronic pressure pad and touch the dish with a felt tip pen to mark each colony.

* Pressure sensitive counting
* Average count facility
* Digital readout from 0 to 999
* Bright white energy saving LED lighting
* With BioCote antimicrobial protection
* Audible confirmation
* Choice of light or dark background
* Connectivity to printer or computer

**Phase contrast microscope**

Labomed 9126005 Advanced Phase Contrast Microscope, Binocular

* Magnification 100x/200x/400x/1000x
* Maximum Magnification 1000x
* Head Configuration: Binocular
* Objectives Plan phase
* Eyepiece Diameter (mm)20
* Eyepiece Magnification 10x
* Eyepieces Widefield
* Stage Dimensions160 x 200 mm
* Illuminator(s)Halogen with rheostat, 30 W
* Power (VAC) 100 to 240
* Power (Hz) 50/60

**Data log kit biology**

* 1x Logbook GLE Data Logger (connection via USB cable)
* 1x Oxygen Atmospheric Sensor
* 1x Pulse Sensor
* 1x Humidity Sensor
* 1x Advanced Light Sensor
* 2x Temperature Sensors
* 1x CO2 Sensor
* 1x Skin Temperature Sensor

**NDD Easy On-PC (TrueFlow) PC Based Spirometer**

* The NDD Easy On-PC is a small, lightweight and easy to use PC Based Spirometer
* Plugs directly into a PC or laptop for real time spirometry diagnostics
* Optional clinical integration software offers full integration with the InPS VIsion Clinical System
* Automatic transfer of Read coded information (FEV1, FVC, FEV1%, PEF etc) into Vision.
* Automatic filing of PDF spirometry reports to Vision.
* Saves time by automatically entering patient details into spirometry software from clinical system.
* Quick and simple to use allowing the nurse to focus on nursing rather than data entry.
* Eliminates data entry errors.
* 2 Year Warranty
* Easy on-PC flowhead sensor
* 2 x Spirettes
* Easy on-PC Software (on USB stick)
* Supplied in hard case

**Water baths 18l Digital**

Grant Unstirred Digital Thermo Bath - 18L

* JBN Unstirred Digital Thermo Water Bath
* B8R05659
* Set and Forget™ technology - fast heat-up, reliable temperature control
* Temperature stability ±0.5ºC
* Simple to use controls, clear bright display
* 3 year warranty
* UK design and manufacture
* Display lock - disables front panel controls
* Drain tap, tray and lid included
* Advanced dry start and run dry protection - prevents costly service repairs
* Size: 18 Litres

**Binocular Microscopes 100x oil immersion lenses**

* Total magnification: 40x, 100x, 400x, 1000x.
* Eyepieces: Wide field WF10x/18
* Head: Binocular, 360° rotating, with 30° inclined eyepiece tube. Diopter adjustment on left eyepiece. Interpapillary adjustment 48-75mm.
* Nosepiece: Quadruple revolving nosepiece, rotation on ball bearings.
* Objectives: Anti-fungal treated Achromatic (DIN) objectives with mechanical tube length 160mm
* 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
* 100x, A.N. 1.25, W.D. 0.13mm (oil immersion)
* 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 life time approx. 50000h.
* Observation Mode: Brightfield
* Voltage: External power supply 100/240V, 50/60Hz, output 5V D.C. 500mA.
* Accessories included: Power supply, dust cover and instructions.

**Portable Balance (500g) 0.01g**

* RS232 Interface
* Weighing modes: Grams and Newtons
* Multiple application modes and units
* Weigh-below hook
* Integral security bracket
* integral menu lock
* AC Adaptor