Request for Bids

Mississippi Valley State University

14000 Hwy 82-W #7244
Itta Bena MS 38941-1400

Web Address: www.mvsu.edu/purchasing/ Phone No: (662) 254-3319 Fax (662) 254-3314

THIS IS NOT AN ORDER

Bid Title:

Biology and Chemistry Equipment

Requester and Requesting Department:

Environmental Health Program
Dr. Mark Dugo

Term – End of Month

Date: 9/27/2016

Bid No. VSRB 1002

Number of Pages 6

Change Order: None

Bids/Proposals – Do not include State or Federal Taxes in your bids/proposals. The University is exempted from these taxes. All order will be placed with successful bidder by Official Purchase Order.

Mississippi Valley State University is considering the purchase of the following item (s). **We ask that you submit your Bids/Proposals in three copies.** Rights are reserved to accept, or reject any and all parts of your bid/proposals. Your bid/proposals will be given consideration if received in this Office on or before the date and time below.

☑ This bid/proposal will be awarded on a line by line basis

☐ This bid/proposal will be awarded on a all or none basis

However, the University reserves the rights to award any and all bids/proposals in the best interest of the University.

Bid/Proposal opening {Date and Time}

2:15pm October 18, 2016

Mississippi Valley State University

W. W. Sutton Administration Building
3rd Floor, Business and Finance Conference Room

By: Billy D. Scott Purchasing Agent

Email: bscott@mvsu.edu

NOTE: If you cannot quote on the exact material shown, please indicate any exceptions, giving brand names and complete specifications on any alternate. Mississippi Valley State University reserves the rights to accept any alternate of equal or greater quality or performance. We also reserve the rights to waiver any irregularities that may appear in the Bids/Proposals specifications.

ITEM	QUANTITY	DESCRIPTIONS	UNIT PRICE	TOTAL NET PRICE
		See Attached		
Please show Bid/Proposals No. on outside of Envelope				

☐ If checked, Mississippi Valley State University reserves the rights for an additional 60 days to purchase and additional 20% of this bid/proposal at the same cost.

We quote you as above F.O.B – Mississippi Valley State University. Shipment can be made within _____ days from receipt of the order.

Company Quoting

Terms:

Date:

Phone/Fax:

Name

Address

City, State

Zip Code

Official Signature:

QuantStudio™ 3 96-well 0.2 ml Block Real-Time PCR System

Uses of this equipment relevant to research in NP toxicology include, but are not limited to, the following: transcriptional modulations (RNA samples) in response to NP exposure and the identification of single nucleotide polymorphisms. The QuantStudio™ 3 96well 0.2ml Block Real-Time PCR System features a 96-well capacity block that is compatible with all formats (single tubes, 8-tube strips, and 96-well plates); High-performance system with a wide range of programmable temperatures from 4°C to 100°C; Supports standard and Fast run modes without loss of multiplex-capabilities during fast runs; pre-calibrated 4-color White LED optical system; user friendly installation package; convenient size saves bench space; simplified recalibrationoption

to guarantee optimal performance; VeriFlex™ block technology running independent Peltier blocks for 3 independent zones for better temperature zone precision & better than gradient reaction optimization; Software applications include: Comparative Ct, Standard Curve, Relative Standard Curve, Genotyping, Presence/Absence, Melt Curve Analysis; Multiplate Data Comparison allows an unlimited number of plates of gene expression assays to be compared through web browser-based software; Work with our wide-variety of co-optimized reagents and our TaqMan® assay portfolio and SYBR offerings for unrivaled performance of both, routine

and challenging applications. The system comes with a Dell Laptop computer with 2.7GHz processor speed, 4GB Ram memory and Windows 7 operating system. Accessories needed for full functioning of equipment include: Taqman Rnase P 96-well Instrument Verification Plate; Smartstart Orientation, HalfDay; AB Assurance Qstudio3 0.2ml; Shipping & Handling.

ChemiDoc™ Touch V3 Western Workflow™ for Mini Gels

The V3 Western Workflow offers a five-step approach that combines traditional blotting techniques with innovative tools for quickly checking transfer quality and electrophoresis results prior to western blotting. The ChemiDoc Touch V3 Western Workflow for Mini Gels enables you to obtain western blotting results faster, with increased confidence in your data and improved quantitation accuracy through the use of its intuitive touch-screen user interface with Image Lab Touch Software. This system features high-quality separation of proteins in as little as 15 min, efficient protein transfer in as little as 3 min, and 5-min stain-free gel imaging. The ChemiDoc Touch Imaging System offers high performance imaging giving you the sensitivity of film processing without the inherent drawbacks. Three different Smart Tray Technology™ sample trays are available for diverse imaging applications including: White sample tray for Coomassie Blue, copper, silver, and zinc stains; Blue sample tray for nucleic acid applications with GelGreen or any SYBR® stain; and Chemi/UV/stain-free sample tray for Bio-Rad stain-free gels and blots, chemiluminescent detection, ethidium bromide, SYPRO Ruby, and more.

SpectraMax® M5 Microplate Reader

The SpectraMax® M5 Multi-Mode Microplate Reader delivers single mode reader performance and can be equipped to read volumes as low as 2uL in one multimode reader package. The dual monochromator optics allow the widest range of applications to be utilized for bioresearch and drug discovery applications, all without the need to change filters. The SpectraMax® M5 Microplate Reader possesses the five detection modes preferred by most users: UV-Visible Absorbance (Abs), Fluorescence Intensity (FI), Time-Resolved Fluorescence (TRF), Fluorescence Polarization (FP), Luminescence (Lumi). For fluorescence intensity, time resolved fluorescence, and fluorescence polarization assays, the SpectraMax M5 Microplate Reader optical design provides the highest level of flexibility with top or bottom read modes for improved sensitivity for solution and cell-based assays. Assays can be better optimized by scanning across a range of wavelengths in increments as small as 1 nm reading up to 4 wavelength pairs in one protocol for endpoint and kinetic measurements. The SpectraMax® M5 utilizes a single monochromator design for UV/VIS Absorbance, allowing the user to maximize sensitivity and tunability, and also uses patented PathCheck® Pathlength Measurement Technology: the only temperature independent pathlength correction for microplates.

Olympus® IX73 Inverted Microscope System (page 1 of 2)

Uses of this equipment relevant to research in NP toxicology include the following but are not limited to: Cell and live specimen imaging, imaging intracellular Fluorescent Quantum Dots (FQDs), and detection of apoptotic activity (DAPI, mitochondrial membrane potential and caspase 3 activity). Olympus® semi-motorized, inverted microscope combined with the new UIS2 infinity-corrected optical system open a new world of live cell imaging expanding visualization capacities into the near-IR wavelength spectrum. The IX73 is suitable for fluorescence and brightfield observation and has superior S/N ratio allowing for fluorescence emission detection from weak excitation light which minimizes damage to the cells and fluorescence fading. This microscope features the IX3-RFACA, Motorized Fluorescence Mirror Turret fitted with an automated vibration-free 8 mirror unit that delivers smooth, fast switching between filters (25mm or 32mm diameter) that intensify excitation light and a 1.6X magnification changer that doesn't require switching objective lens. Accessories needed for full functioning of equipment include: US Style 3-Prong Power Cord; Transmitted Light Pillar (IX3-ILL); 12V/100W Halogen Lamphouse,0.8m Long Cord,WEEE (U-LH100L-3-7); 12V,100W Halogen Bulb, BHS,AH2/3,U-LH,AX-LH (JC12V100WHAL-L); 12V/100W Power Supply,100V Input, ROHS (TH4-100-1-5); 45MM Frosted Diffusion Filter, IX3 (45FR); 45MM Light Balancing Daylight Filter (45-LBD-IF); Hand Switch For TH4w/Intnsty Cntrl Dial, ROHS (TH4-HS-1-5); Tilting Binoc Head For IX3/IX2/IX,35-85 Degrees (U-TBI90); 10X Eyepiece For BX,IX Hi Eyepnt,Retshelf,FN:22 (WHN10X-1-7); 6-Position Ix Nosepiece Coded,DIC (IX3-D6RES); Centering Telescope, Long Travel For All BX-IX (U-CT30-2); C Plan Fluor 10X PH OBJ,NA 0.3,WD 9.37MM (CPLFLN10XPH); LWD U Plan FL PHI OBJ,NA 0.45,WD6.4-7.6MM,W/CC (LUCPLFLN20XPH); LWD U Plan FL PH 2 OBJ,NA0.6,WD2.7-4.0,W/C-COL (LUCPLFLN40XPH); Mechanical Attachable Stage For IX-SP, IX70/50 (IX-MVR); Plain Stage For IX2/IX3 (IX2-SP); Terasaki Plate Holder 7 2/60 Well For IX-MVR Stage (IX-HOT); Holder For 1X3 Slide 54MM Petri Dish, IX-MVR Stage (IX-HOS); Slide Holder (IX3-HOS); Terasaki Plate, Click Stop Mechanism, IX-MVR Stage (IX-CLMT); 96 well Plate Click Stop Mechanism, IX-MVR Stage (IX-CLM96); Millimeter Scale For IX-MVR Mechanical Stage (IX-PPM); Long WD DIC/Phase Condenser,NA0.55,WD27MM (IX2-LWUCD); PHC Phase Annulus Culture App,10X/20X,30MM,IX-LWDCD (IX-PHC); PH1 Phase Annulus For 1 0X/20X, 30MM, IXLWUCD
(IX-PH1); PH2 Phase Annulus For 4 0X, 20X UPLAPO, 30MM, IX-LWUCD (IXPH2); 100W Mercury L H w/Chromatic Corr, Mirror (U-LH100HGAPO1-7); 100W OSRAM Mercury Burner, C*69182 (HB0103W/2); Power Supply For 100W HG Lamphouse, ROHS (URFL-
T); US Style 3-Prong Power Cord; Straight Illuminator (IX3-RFA); Coded IX3Fluorescence Turret (IX3-RFACS-1-2); AT-UV/DAPI,375/28X,4 15BS,435LP EM In BX3 Cube (19000-BX3); AT-GFP/FITC LP,480/3 0X,505BS,515LP EM In BX3 Cube (19002-BX3); AT-TRITC/CY3 LP,540/ 25X,565BS,575LP EM In BX3 Cube (19004-BX3); Dust Cover, Hood Type For IX2 Microscope; AND 2-3 Box - Basic Scope.

Accessories for Olympus® IX73 Inverted Microscope

US Style 3-Prong Power Cord UYCP-11 2 3 count needed
Transmitted Light Pillar (IX3-ILL) 5-UL365
12V/100W Halogen Lamphouse,0.8m Long Cord,WEEE (U-LH100L-3-7) 5-UL1237
12V,100W Halogen Bulb, BHS,AH2/3,U-LH,AX-LH (JC12V100WHAL-L) 8-C406 2 count needed
12V/100W Power Supply,100V Input, ROHS (TH4-100-1-5) 5-UT410
45MM Frosted Diffusion Filter, IX3 (45FR) 9-U734
45MM Light Balancing Daylight Filter (45-LBD-IF) 9-U115
Hand Switch For TH4w/Intnsty Cntrl Dial, ROHS (TH4-HS-1-5) 5-UT415
Tilting Binoc Head For IX3/IX2/IX,35-85 Degrees (U-TBI90) 3-U148
10X Eyepiece For BX,IX Hi Eyepnt,Retshelf,FN:22 (WHN10X-1-7) 2-U1007 2 cout needed
6-Position Ix Nosepiece Coded,DIC (IX3-D6RES) U-R380
Centering Telescope, Long Travel For All BX-IX (U-CT30-2) 2-U933
C Plan Fluor 10X PH OBJ,NA 0.3,WD 9.37MM (CPLFLN10XPH) 1-U2C543
LWD U Plan FL PHI OBJ,NA 0.45,WD6.4-7.6MM,W/CC (LUCPLFLN20XPH) 1-U2C375
LWD U Plan FL PH 2 OBJ,NA0.6,WD2.7-4.0,W/C-COL (LUCPLFLN40XPH) 1-U2C377
Mechanical Attachable Stage For IX-SP, IX70/50 (IX-MVR) 4-U205
Plain Stage For IX2/IX3 (IX2-SP) 4-U201
Terasaki Plate Holder 7 2/60 Well For IX-MVR Stage (IX-HOT) 4-U921
Holder For 1X3 Slide 54MM Petri Dish, IX-MVR Stage (IX-HOS) 4-U922
Slide Holder (IX3-HOS) 4-U323
Terasaki Plate, Click Stop Mechanism, IX-MVR Stage (IX-CLMT) 4-U941
96 well Plate Click Stop Mechanism, IX-MVR Stage (IX-CLM96) 4-U942
Millimeter Scale For IX-MVR Mechanical Stage (IX-PPM) 4-U943
Long WD DIC/Phase Condenser,NA0.55,WD27MM (IX2-LWUCD) 6-U211
PHC Phase Annulus Culture App,10X/20X,30MM,IX-LWDCD (IX-PHC) U-CD402
PH1 Phase Annulus For 1 0X/20X, 30MM, IX-LWUCD (IX-PH1) U-CD405
PH2 Phase Annulus For 4 0X, 20X UPLAPO, 30MM, IX-LWUCD (IX-PH2) U-CD406
100W Mercury L H w/Chromatic Corr, Mirror (U-LH100HGAPO1-7) 5-UL1567
100W OSRAM Mercury Burner, C*69182 (HB0103W/2) 8-B192O
Power Supply For 100W HG Lamphouse, ROHS (U-RFL-T) 5-UT155
Straight Illuminator (IX3-RFA) 5-UR403
Coded IX3Fluorescence Turret (IX3-RFACS-1-2) 5-UR416-1
AT-UV/DAPI,375/28X,4 15BS,435LP EM In BX3 Cube (19000-BX3) U-3N19000
AT-GFP/FITC LP,480/3 0X,505BS,515LP EM In BX3 Cube (19002-BX3) U-3N19002
AT-TRITC/CY3 LP,540/ 25X,565BS,575LP EM In BX3 Cube (19004-BX3) U-3N19004
Dust Cover, Hood Type For IX2 Microscope COVER020
2-3 Box - Basic Scope SHIPIX71/81-1-2 Box