

BERGEN COMMUNITY COLLEGE  
400 PARAMUS ROAD  
PARAMUS, NJ 07652

Request for Bids  
For Ultrasound Machines and Accessories

PUBLIC BID NO. P-2242

**PUBLIC NOTICE** is hereby given that SEALED BIDS for **Ultrasound Machines and Accessories**, Public Bid No. P-2242, will be received at the Office of the Director of Purchasing and Services, Bergen Community College, Pitkin Education Center, 400 Paramus Road, Paramus, New Jersey 07652 until 11:30 a.m. local time, Thursday, June 22, 2017, Room # A-231, at which time they will be publicly opened and read aloud.

A complete set of Bid Documents may be obtained by registering on our website at [www.bergen.edu/community/purchasing/current-vendor-opportunities](http://www.bergen.edu/community/purchasing/current-vendor-opportunities)

BIDDER IS REQUIRED TO COMPLY WITH THE REQUIREMENTS OF P.L. 1975 C. 127 (N.J.S.A. 10:5-31 et seq. AND N.J.A.C. 17:27), AND MUST SUBMIT FORM NO. 00810C, "Equal Employment Opportunities Response Sheet for General Service Contracts" WITH ITS BID. BIDDER MUST SUBMIT A COPY OF ITS BUSINESS REGISTRATION CERTIFICATE ISSUED BY NEW JERSEY DEPARTMENT OF TREASURY PURSUANT TO P.L. 2004, C.57 (N.J.S.A. 52:32-44). ALL BUSINESS ORGANIZATIONS THAT CONDUCT BUSINESS WITH A NEW JERSEY GOVERNMENT AGENCY ARE REQUIRED TO BE REGISTERED WITH THE NEW JERSEY DEPARTMENT OF TREASURY. THEREFORE, BIDDER MUST SUBMIT THE BUSINESS REGISTRATION CERTIFICATE FOR ITSELF AND ANY SUBCONTRACTORS AT THE TIME OF BID SUBMISSION AS PROOF THAT AT THE TIME OF THE BID, BIDDER AND ANY SUBCONTRACTORS ARE REGISTERED WITH THE NEW JERSEY DEPARTMENT OF TREASURY, DIVISION OF REVENUE.

Bids must be made upon and in accordance with the forms provided in the Bid Documents. No bids will be received after the time and date specified above, and no bidder may withdraw its bid within sixty (60) days after bid opening.

Bergen Community College reserves the right, pursuant to applicable law, to waive any informalities in the bid or to reject any or all bids.

Bid envelopes must be marked with "Public Bid No. P-2242" and indicate "Sealed Bid" in the lower left-hand corner.

DATE: May 31, 2017

For Bergen Community College:  
B. Golden, Director Purchasing and Services

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Section D

TECHNICAL SPECIFICATIONS

Diagnostic Medical Sonography

Below are the specifications for three full size ultrasound machines. The ultrasound machines must hold capabilities in the following clinical applications; 2D echo, stress echo package, obstetrics, abdominal, renal, GYN, Pelvic, pediatric small organ, breast, testes, thyroid, neonatal cephalic, peripheral vascular, carotids, vertebrae, lower extremity arterials, lower extremity venous, upper extremity arterial, upper extremity venous, musculoskeletal, urology, prostate and transvaginal (phantom scanning).

Equipment is to be brand new

One of the three units must be 4D cardiac capable.

22 in high-resolution screen

3 days training

1 year warranty minimum

Ergonomically adaptable design

DICOM connectivity

Displayed acoustic output

TIS: Thermal Index Soft Tissue

TIC: Thermal Index Cranial (Bone)

TIB: Thermal Index Bone

Report designer

Text annotations from touch panel

2D imaging (one unit 3/4D imaging cardiac)

Dual screen capable

Color

Pulsed wave Doppler

Spectral Doppler

Continuous wave Doppler

Tissue Doppler cardiac

Strain rate imaging

M mode

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EF  
Volume  
Blood Flow imaging  
Virtual convex imaging  
Generic measurements to include  
BSA (Body Surface Area)  
MaxPG (Maximum Pressure Gradient)  
MeanPG (Mean Pressure Gradient)  
% Stenosis (Stenosis Ratio)  
PI (Pulsatility Index)  
RI (Resistivity Index)  
HR (Heart Rate) – beats/minute  
A/B Ratio (Velocities Ratio)  
TAMAX (Time Averaged Maximum Velocity)  
TAMIN (Time Averaged Minimum Velocity)  
TAMEAN (Time Averaged Mean Velocity)

Measurement and analysis package for all modalities;

Cardiac-EF, Ao dimensions, PISA, Cardiac output, AV cusp, D-e excursion, E-F slope, EPSS, AVA continuity equation (Vmax & VTI), IVC, LA diameter, LV area, Simpson, Teicholtz, LV dimensions, LVOT area & cardiac output, pressure half time, MV PHT, MV E/A ratio, MV PISA, MV VTI, MVA, Pulmonic VTI, P vein S/D ratio, RVOT pressure gradients, RVSP, TV PHT, Valve pressures & insufficiency, strain rate imaging, tissue Doppler and anatomical M-mode, stress echo package. Capable of 4D cardiac imaging on the one unit that is 4D capable.

Vascular-intima media thickness measurement, carotid velocities, % stenosis, PI, RI, HR, extremity velocities and reflux.

OB/GYN, fetal growth analysis, GS, CRL, FL, BPD, AC, HC, Humerus, bipocular distance, OFD, TCD, Tibia length, Ulna length, cephalic index, calculations including Hadlock, ASUM, & Moore. Ovarian volume, Uterus L, W, H, Cervical L & trace, Endo, Ovarian RI, Uterine RI, Follicular measurements

Abdomen- calculations and measurements liver, renal, spleen, Aorta, IVC, GB, CBD, Prostate, Pre & post void.

Small parts- calculations and worksheets for thyroid, scrotal and breast

Editable worksheets

3-Phased array transducer for echo, abdomen  
3-Linear Array transducer for vascular and small parts  
3-Curved Array transducer for abdomen, OB/GYN, vascular  
1-Endocavity probe for transvaginal  
3-Continuous wave transducer for cardiac

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1-3/4 D Volume Phased Array transducer for cardiac applications  
Each ultrasound unit shall be equipped with a 3-lead EKG.

Pricing is to include liftgate, inside delivery to the following address:

Bergen Community College  
400 Paramus Road  
Paramus, NJ 07652  
Health Professions Building  
Room HP-120  
Attn: GERALYN COLLINS-FISLER

FOR INFORMATION ONLY, NOT AN OFFICIAL DOCUMENT