

OFFICE OF THE DEAN::COLLEGE OF FISHERIES
ASSAM AGRICULTURAL UNIVERSITY::RAHA, NAGAON::782103

NOTICE INVITING QUOTATION

Sealed quotations are invited from the reputed manufactures/ authorized dealers/ suppliers for supplying certain numbers of equipments/ instrument under the NFDB funded project entitled "Aquatic Animal Health Laboratory" at College of Fisheries, AAU, Raha, Nagaon, Assam. The Tender documents may be obtained from the office of the Dean, College of Fisheries, AAU, Raha, Nagaon 782103, on payment of Tender fee of Rs 300/- (Rupees Three Hundred) only in the form of IPO/Demand Draft to be drawn in favour of DEAN, COLLEGE OF FISHERIES, ASSAM AGRICULTURAL UNIVERSITY payable at SBI RAHA Branch. The Tender Documents may also be downloaded from the website www.vetbifg.ac.in or <http://www.aau.ac.in>, in subject to the condition that the bidders must have to submit the Tender fee Rs 300/- along with the quotation, without which the tender/ quotations will be rejected. The earnest money 4% for items of Rs. 10,00,001 and above, 3% for items of Rs. 5,00,001 to Rs. 10,00,000 and 2% for items of upto Rs. 5,00,000 of the unit price of the quoted value of equipments in the form of Demand Draft to be drawn in favour of DEAN, COLLEGE OF FISHERIES, ASSAM AGRICULTURAL UNIVERSITY payable at SBI RAHA Branch must be submitted along with the quotations. The tenders/quotations will be received up to 4:00 pm of 25th December 2021. The undersigned reserves the right to accept or reject any or all the quotations without assigning any reason thereof.


Sd/-
(B. KALITA)
Dean (i/c.)
College of Fisheries, AAU,
Raha Nagon-782103

Memo No. AAU/FY/2021-22/Tech-62/ 2660-66

date: 11/12/2021.

Copy for information and necessary action to

1. The Comptroller, Assam Agricultural University, Jorhat-13
2. The Coordinator, BIF & ARIS cell, CVSc, AAU, Khanapara, Guwahati-22 with a request to upload the detail advertisement in the College website.
3. The I/C, ARIS cell, AAU, Jorhat with a request to upload the detail advertisement in the University website
4. Dr. B. Kalita, Project Chairman Aquatic Animal Health Laboratory, AAU, Raha
5. Mr. Inam A. Hussain, Project Co-Ordinator Aquatic Animal Health Laboratory, AAU, Raha
6. Notice Board Dean CFSc, AAU, Raha.
7. The Advertisement manager, The Assam Tribune with a request to publish the above Advertisement in one issue of your paper and submit the bill for payment to the office of the undersigned with copy of the Advertisement.
8. Office Copy


Dean (i/c.)
College of Fisheries Assam
Agricultural University
Rahan Nagon-782103

ASSAM AGRICULTURAL UNIVERSITY

Raha-782103

BIDDING DOCUMENT

(Terms and conditions)



Dean

College of Fisheries

Assam Agricultural University

Raha, Nagaon-03

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College of Fisheries Assam
Agricultural University
Rahan Nagon-782103

Terms and Conditions

1. The quotation fees of Rs.300/- (Rupees Three hundred only) in favor of Dean, College of Fisheries, AAU, Raha, is not refundable. Those who will submit the quotation by downloading the tender documents, they must have to submit the quotation fee in the form of IPO/DD along with the quotation without which quotation will be rejected.
2. The bidder shall enclose the earnest money 4% for items of Rs. 10,00,001 and above, 3% for items of Rs. 5,00,001 to Rs. 10,00,000 and 2% for items of upto Rs. 5,00,000 of the quoted price in the shape of DD drawn in favor of the DEAN, COLLEGE OF FISHERIES, AAU, RAHA, payable at SBI, Raha Branch. The bids that are not accompanied by the aforesaid bid security will not be accepted. The details of bid security must be provided. The bid security of the unsuccessful bidders will be released after issuing supply to the successful bidder and the bid security of the successful bidder will be released after execution of the order.
3. The quotation shall be sealed and super scribed at the top of sealed cover “Quotation for Lab equipments under AAHL vide memo no. No. AAU/FY/2021-22/Tech-62/
date:
4. Quoted price: To facilitate format evaluation, the bidder shall quote the price of items separately along with relevant papers for supporting the quoted price such as catalogue, dealership certificate and Co’s printed price list, user list etc. failing which the bid shall be treated as non-responsive at the discretion of the purchaser.
5. The bid submitted to the bidder shall remain valid for a period of 90(ninety) days. Bid not conforming to this provision shall be treated as non-responsive.
- 6.To facilitate prompt evaluation, the bidder must positively submit Double Bid (Technical bid and price bid separately) for each item for verification and evaluation. If the bidder fails to qualify the technical part, the bid would automatically get cancelled for the same prior to opening of the price bid.
7. Quotation must also be submitted in a soft copy in CD (to support in Microsoft words only) in the following format failing which the bid treated as non-responsive, at the discretions of the purchaser. In case of any optional items, pictures should be shown separately. Any discrepancies in the soft copy will be the responsibility of the quotationers.

Format

Name of Item	Brief Specification	Unit Price	GST/Freight Charge if any (FOR Raha)	Total
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8. The rate shall be quoted for all duties, taxes and other levies payable by the bidder shall be included in the item rate. GST should be quoted separately(GST No. must be furnished)
9. There should not be any overwriting. Corrections, if any, should be made with dated initial of bidder. Bidder shall submit quotation separately in each item.
10. Rates should be quoted clearly both in words and figures separately for each item without which the quotation shall stand rejected.

11. The price quoted shall be fixed and not subject to adjustment/variation during the performance of the contract.
12. The warranty of the items shall be as per the prevailing warranty policy/certificate of manufacturer (where necessary) for the items and warranty period shall not be less than 6 (six) months from the date of commissioning of items at site.
13. The bidder shall furnish the warranty for all the items at the time of delivery and commissioning. The purchaser shall reject the items not enclosed by warranty certificate from their manufacturer. The warranty certificate should be duly signed and sealed.
14. Bidders must supply the items at their own cost. All machineries/equipments/kits are to be supplied FOR destination. Delivery of goods shall have to be completed within 30 (thirty) days from the date of issuing supply order.
15. Installation and commissioning charges, if any, inclusive of expenses of foundation work etc. are to be mentioned separately against each machine. In case of no mention, the same will be considered as inclusive of installation cost whenever applicable.
16. The machineries are to be supplied ready to operate, complete with motor, starter and any necessary gadgets including catalogues, trouble shooting manual etc. without which the same will be considered as incomplete supply.
17. List of spare parts with current price to be required during operation of the machines and addresses of the source of spare parts availability including contact no., e-mail etc. are to be provided in a separate sheet.
18. Price of one set of critical wearable spares that would hamper the working of the machineries/equipments should be mentioned separately against each machine.
19. The supplier shall provide free maintenance services during the period of warranty. Any repair and maintenance including providing of spare parts (covered by manufacturer's warranty certificate) during the warranty period shall be bidder's responsibility.
- 20. Detailed specification with make, model, size, and code no., catalogue, and name of manufacturer should be furnished. ISO certificate must be furnished for the offer made. The specification offered must be as per the item offered.**
21. Copies of S.S.I registration or such documents may be produced with quotation.
22. Attested copies of dealership certificate and Co's printed price list must be enclosed with the quotation.
23. Up-to-date sale Tax clearance certificate and Income Tax return of last two years duly attested must be submitted along with the quotation. PAN No. must be furnished.
24. All payment shall be made preferably in Indian Rupees only.
25. Where ever the laws and regulations require, deduction of taxes at source of payment, the purchaser shall effect such deduction from the payment due the supplier, the remittance of amounts so deducted and insurance certificate for such deduction shall be made by the purchaser as per the laws and regulation in force.

26. Every page of the bidding documents purchased from the purchaser are to be signed by the bidder including their acceptance of terms and conditions and returned with their quotation.

27. The undersigned reserves the right to accept or reject any quotation and to cancel the instant bidding process and reject all quotation at any time prior to award of contract, without thereby incurring any obligation to the affected bidders of grounds for the purchaser action.

28. The bidder must mention their bank details along with the quotation.

ANNEXURE –I
Format for EMD Details

Sl.No	Sl. No of the item (as per bid document)	Name of the item quoted	Basic price of the item (excluding taxes and transportation charges)	Price in Indian rupee (for imported items at the prevailing rate of exchange)	Amount of EMD (4% for items of Rs. 10,00,001 and above, 3% for items of Rs. 5,00,001 to Rs. 10,00,000 and 2% for items of uptoRs. 5,00,000)	Details of EMD submitted including amount and validity

Annexure II
 FORMAT FOR COMPLIANCE STATEMENT

S I N O	Name of the Item as per Bid Document	Make: Model:	
Detailed Specification:			
S I N O.	Specification Asked for	Specification offered*	Complied (Yes/No)

*The Specification offered must be verifiable form the data sheet (both softcopy and hardcopy) from the OEM, provided by the vendor as well as the official website of the OEM.

FORMAT FOR QUOTATION
(Separate Quotation for individual items to be submitted)

S l . N o	Name of the item (s)	Brief Specification	Un it pri ce	% of GST / Freight charge if any (FOR Khanapara)	Total amount

We agree to supply the above items in accordance with the technical specification mentioned. We also confirm that normal commercial warranty / guarantee of.....
to the offered goods.

QuotationersName :

Signature

Date:

Seal

SI. No	Name of the Project	Instrument	Specifications
1	NFDB funded Project entitled "Aquatic Animal Health Laboratory"	pH meter	<ol style="list-style-type: none"> 1. pH Range should be 2.000 to 16.000 pH (Standard Mode), -2.00 to 16.00 pH (Basic Mode) 2. pH Resolution should be 0.001 pH, 0.01 pH 3. pH Accuracy should be ± 0.01 pH, ± 0.002 pH 4. 5 points pH Calibration (standard mode) 1.68, 4.01 (3.00\dagger), 6.86, 7.01, 9.18, 10.01, 12.45, and two custom buffers; 3 points pH Calibration (basic mode) 4.01; 6.86; 7.01; 9.18; 10.01 5. pH Temperature Compensation: ATC: -5.0 to 100.0$^{\circ}$C; 23.0 to 212.0$^{\circ}$F* 6. pH CAL Check (electrode diagnostics) 7. digital pH electrode input 8. ORP Range should be ± 2000.0 mV 9. ORP Resolution should be 0.1 mV 10. ORP Accuracy should be ± 0.2 mV (± 999.9 mV); ± 1 mV (± 2000 mV) 11. mV Range should be ± 1000.0 pH in mV 12. mV Resolution should be 0.1 mV 13. mV Accuracy should be ± 0.2 mV 14. Temperature Range should be -20.0 to 120.0 $^{\circ}$C, -4.0 to 248.0 $^{\circ}$F 15. Temperature Resolution: should be 0.1 $^{\circ}$C, 0.1 $^{\circ}$F 16. Temperature Accuracy should be: ± 0.5 $^{\circ}$C, ± 0.9 $^{\circ}$F 17. pH Electrode 18. integrated Temperature Probe with pH electrode 19. log-on-demand; log-on-stability, interval logging 20. Logging Memory: up to 1000 records; log-on-demand (max. 200 logs); manual log-on-stability (max. 200 logs); interval logging (max. 600 samples; 100 lots) 21. 1 micro-USB port for charging and PC connectivity, 1 USB port for flash storage, GLP, Calibration Timeout Reminder, Auto end 22. LCD Display 23. built-in rechargeable battery with up to 8 hours of continuous use 24. Power Supply: 5 VDC adapters (included) 25. Environment: 0 to 50$^{\circ}$C (32 to 122$^{\circ}$F), RH max 95% non-condensing 26. Dimensions: 202 x 140 x 12.7mm (8" x 5.5" x 0.5") 27. Weight: 250 g

2		DO meter	<ol style="list-style-type: none"> 1. DO Range should be 0 – 20 ppm 2. DO Resolution should be 0.1 ppm 3. DO Accuracy should be 0.1 ppm 4. Temp. Comp. should be 0 – 50 °C 5. Manual Calibration 6. System should have 3½ Digit Seven Segment LED 7. Power: 230 V AC ± 10%, 50 Hz 8. Dimensions: 275 x 135 x 75 mm (L x B x H) (Approx.) 9. Weight: 3.5 Kg (Approx.) 10. Accessories: Gold/Silver Amperometric DO Probe, Set of DO Membranes, Operation Manual and Dust Cover 												
3		Salinometer	<ol style="list-style-type: none"> 1. Should be 3½ Digit Bright Red LED Display 2. Ranges should be: 0 – 2.000 ppt, 0 – 20.00 ppt, 0 – 50.0 ppt 3. Automatic Range Selection 4. Accuracy: ±0.5 % FS ± 1Digit 5. Temperature Compensation: Manual: 0 to 50 °C 6. Auto Cell Constant Measurement 7. Platinum Dip Type measuring cell 8. Resolution should be 0.1 ppt 9. Power: 12V DC using 230±10% AC Adapter 10. Dimensions: 270 x 202 x 80 mm (l x b x h approx.) 11. Weight: 0.8 Kg approx. 12. Accessories: Salinity Cell, Operation Manual, Cell Stand, Dust Cover, 12V Adapter 												
4		Cyclomixer	<ol style="list-style-type: none"> 1. Designed for mixing liquids in Schools, Laboratories & Factories 2. Touch/ Continuous Operation mode Selection through bi-directional Switch 3. Speed Regulation through knob provided on the control panel 4. Interchangeable mixing heads for use with variety of tubes 5. Supplied with all interchangeable mixing heads <table border="1" data-bbox="831 1619 1489 1915"> <thead> <tr> <th colspan="2" data-bbox="831 1619 1489 1661">Technical Data</th> </tr> <tr> <th colspan="2" data-bbox="831 1661 1489 1703" style="text-align: center;">Models</th> </tr> </thead> <tbody> <tr> <td data-bbox="831 1703 1170 1759">Power (W)</td> <td data-bbox="1170 1703 1489 1759">32</td> </tr> <tr> <td data-bbox="831 1759 1170 1816">Shaking Movement</td> <td data-bbox="1170 1759 1489 1816">Orbital</td> </tr> <tr> <td data-bbox="831 1816 1170 1873">Orbital Diameter (mm)</td> <td data-bbox="1170 1816 1489 1873">4</td> </tr> <tr> <td data-bbox="831 1873 1170 1915">Motor Type</td> <td data-bbox="1170 1873 1489 1915">Shaded-Pole Motor</td> </tr> </tbody> </table>	Technical Data		Models		Power (W)	32	Shaking Movement	Orbital	Orbital Diameter (mm)	4	Motor Type	Shaded-Pole Motor
Technical Data															
Models															
Power (W)	32														
Shaking Movement	Orbital														
Orbital Diameter (mm)	4														
Motor Type	Shaded-Pole Motor														

			Permissible ON time	100% power 30mins	
			Speed range (rpm)	0-2500	
			Run Type	Continuous / touch operation	
			Dimensions (mm)	127 x 130 x 160	178 x 141 x 148
			Weight (kg)	2.8	3.6
			Protection Class acc. To DIN 60529	IP 21	–
5		UV Chamber (PCR Cabinet) 3Wx2Lx2H-ft	<ol style="list-style-type: none"> 1. Working Size of the system should be W 2 x D 2 x H 2 ft 2. Particle Retention of the system should be 0.3 Micron & Above 3. Vertical Flow 4. Noise Level should be 60 decibels on “A” scale ± 5 5. Velocity should be 90 Feet / Minute ± 20 6. 4 mm thick Polycarbonate – Sliding Type front door 7. Branded U V lamp 8. LED Light Fitting Illumination 9. Pressure (ΔP): Inclined Manometer 0 –25 mm range 10. Power Supply: 230V, Single phase, 50 Hz 11. HEPA Filter should be as mentioned below: <ul style="list-style-type: none"> Media: Ultra clean glass fiber paper – imported Type: Mini-Pleat HEPA Filter, Separator less Retention: 0.3 Micron Efficiency: 99.99% Grade H13 rating • PRE Filter should be as mentioned below: <ul style="list-style-type: none"> Media: Synthetic, non-woven polyester fibres Casing: GI with PU coated frame Retention: 5 Micron & above Efficiency: 95 % • The Cabinet should be made from Galvanized Iron 18 SWG sheet metal with polyurethane paint coated finish and bottom should be supported with MS with PU coated stand • Outer rotor type blower system, which should consist of Dynamically & statically balanced aluminium centrifugal Impeller driven by a single phase, 1440-RPM motor, should be enclose in an PU coated GI casing suitably connected to the chamber through direct molded type 		

6		Tissue Homogenizer	<ol style="list-style-type: none"> 1. System should be Ideal homogenizer for extraction from samples like bacterial/yeast cells, plant tissues, animal tissues etc. 2. System should accommodates screw cap homogenizing tubes sizing 3 x 2 ml 3. Powerful motor – Homogenizes the most challenging samples 4. System should be designed to generate lesser heat and convenient loading 5. Variable cyclic intervals for effective homogenization through pulse 6. Features an integrated lid lock for user safety (operation stops when lid opens) 7. Easy user interface with large digital display 8. Small foot print to accommodate on the work space 9. Speed Range should be 2800 to 4000 RPM 10. Run Time should be 3 second to 180 second 11. Pulse mode On/off timer should be 3 second to 99 second 12. Operating Condition: 4°C to 45°C 13. Weight: 2.8 kgs 14. Dimensions (W x D x H): 235 x 158 x 140 mm 15. Power Supply: 115 / 230 VAC – 60 / 50Hz 16. Power Consumption: 24 W <p>Accessories:</p> <ol style="list-style-type: none"> 1. 2 ml screw cap tubes (Non Sterile)(pack size: 500 No's) 2. 0.4-0.6 mm Glass Beads (250 gm)
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7		Centrifuge	<ol style="list-style-type: none"> 1. System should have Microprocessor controller for efficient performance even under high load 2. System should have Digital display with speed and time setting 3. System should allows user to set up to 99 user defined programs 4. Enhanced airflow design to keep the temperature in control 5. Lid lock safety feature – lid opens automatically on run completion 6. System should have One touch RPM / RCF conversion & short spin operation option on keypad 7. Safe low voltage device 8. Rotors capacity should be 6 x 10ml (Swing) / 8 x 15 ml (Fixed Angle) / 16 x 10 ml (Fixed Angle) 9. Max RPM/RCF (xg) of the system should have 4000 RPM / 2270g varies as per rotor 10. System should have Brushless DC motor. 11. System should have Digital Display 12. Speed Setting of the system should be 500-4000 RPM in steps of 10RPM 13. Timer Setting of the system should be 1-999 mins & infinite mode 14. Imbalance Detection 15. Weight of Equipment: 7.7 kg 16. Dimension (LxWxH): 415 x 355 x 173 mm 17. System should be supplied with 16*10 ml fixed angle rotor.
8		Vortex Mixer	<p>Specification:</p> <ol style="list-style-type: none"> 1. System should have Visual indication marker for max speed with attachments 2. System should have Adjustable speed range up to 2800 RPM with an accuracy of +/-5% 3. System should have 3-way switch for touch, continuous & stand-by mode for unmatched convenience 4. IP21 compliant design 5. Orbital diameter should be 4 mm. 6. AC Motor 7. Max Load Capacity should be 500 gm 8. Dimensions: 205 x 136 x 138.5 mm 9. Power Supply: 220 – 240VAC, 50Hz 10. Ambient temperature should be 5 to 400C 11. Weight: 3 kg

9		Water Bath	<p>Specification:</p> <ol style="list-style-type: none"> 1. CE Certification 2. Capacity (Liter) should be 14 3. Internal size (L x W x H cm) should be 30 x 30 x 15 4. Should have double walled construction with inner S.S. argon welded one piece pot to avoid leakage. 5. Should have 2" Thick Glass Wool Insulation to ensure temperature stability & reduced energy consumption. 6. Circulation pump should be provided for better uniformity of Temperature instead of stirrer. Circulation pump to use Drain 7. Side mounted circulating pump: 18 ltr. /Min single phase, 230 Volts. 8. Water bath should have S.S. Tubular heater (water immersion type) to use at bottom for better heat distribution. 9. Top mounted removable lid. 10. Compact table top design. 11. Supply: 230V AC, Single Phase, 50Hz 12. Inside S.S. 304 mirror finish argon welded one piece pot. Outer Galvanized Iron (GI) sheet with powder coated 13. Temperature Range of the system should be 50 C above ambient to 900 C with ± 0.50 C temp accuracy 14. System should have imported microprocessor based auto tuned PID controller with CE mark & dual display of set value & process value for precise control of temperature.
10		Weighing Balance	<ol style="list-style-type: none"> 1. Automatic calibration with an internal mass 2. Clock and calendar function 3. High-speed weighing with 2-second stabilization 4. Removable, shatterproof breeze break with antistatic coating 5. Compact foot print: 198 mm \times 294 mm (smaller than an A4 sheet of paper) 6. Rotary sliding doors requiring no extra space at the rear 7. Adjustable response characteristics to help cope with the effect of drafts and vibrations 8. Multiple weighing units: g, mg, oz, ozt, ct, mom, dwt, grain, specific gravity, and a user- 9. programmable unit for conversion applications (either tael, tola or Newton can be 10. added upon request)

			<ol style="list-style-type: none"> 11. Easily visible, front-mounted spirit level for adjusting the levelling feet 12. Clear, reverse-backlit LCD 13. GLP/GMP/GCP/ISO compliant output 14. Counting mode with the Automatic Counting Accuracy Improvement (ACAI) function 15. Percent mode function 16. Animal weighing (hold) function 17. Statistical calculation function 18. Comparator function with buzzer 19. Auto power on/off function 20. Underhook function 21. Density determination function and an optional 22. density determination kit 23. Built-in rechargeable battery (optional) 24. Capacity: 252 g 25. Readability: 0.1 mg 26. Repeatability (standard deviation): 0 to 200 g: 0.1 mg, 200 to 252 g: 0.2 mg 27. Linearity: ± 0.3 mg 28. Stabilization time (when set to FAST under a good environment) : Approx. 2 seconds 29. Weighing pan size: $\text{Ø}90$ mm 30. External dimensions: 198 (W) \times 294 (D) \times 315 (H) mm 31. Net weight: Approx. 3.9 kg
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11		Gel Documentation Unit	<ol style="list-style-type: none"> 1. Versatile system to support wide range of applications like Fluorescence, Colorimetry/densitometry & Gel documentation. 2. The Gel Imaging System should support the following dyes – SYBR Green, SYBR Safe, Ethidium Bromide, Stain Free Gel , Coommassie Blue, Zinc Stain, Flamingo, Oriole, Silver Stain, Coommassie Fluor Orange, Sypro Ruby, Krypton&Colorimetric Blots 3. The Gel Imaging System should feature touch screen of size 9.7” or more which is Multitouch capable & offer a Display resolution of 1,024 x 768 pixels. 4. The Gel Imaging System should offer Smart Tray Technology that automatically recognizes your application-specific tray and adjust imaging parameters and software options accordingly 5. The Gel Imaging System should offer precalibrated focus for any zoom setting or sample height. 6. The Gel Imaging System should have a high-resolution scientific grade 16 bit CMOS camera, a light-tight compact darkroom & a Slide-Out UV Transilluminator. 7. Maximum image area - 21 x 14 cm (W x H) 8. Pixel density (gray levels) - 65535 9. Dynamic range - >3.5 orders of magnitude 10. Emission filter -535–645 nm 11. Data output -16-bit or 8-bit: SCN, TIFF, JPEG image files 12. The Gel Placement door should be drawer type allowing access to Gels from either direction for facilitating easy/clutter free gel excision applications. 13. The Imaging System should offer a camera resolution greater than 6.3 megapixels& carry a pixel size of 2.4µm x 2.4µm 14. The Instrument should offer Trans-UV (B) and Epi White as Standard Illumination. White Light Trans Illumination and UV/Blue Conversion should be available as optional. 15. Appropriate flat fielding correction should be automatically and consistently applied to image data for every application. <p>Specifications of the Image Analysis Software:</p> <ol style="list-style-type: none"> 1. Automated lane and band identification, molecular weight or base pairs evaluation, band sizing, and quantitation based on a reference band or quantity standards 2. Snapshot tool to copy images, lane profiles, and
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			<p>graphs</p> <ol style="list-style-type: none"> 3. Allow Publishing resolution (dpi) and publishing dimension to be specified with a one-click image export for publication. Provides functionality to produce image at user-defined dpi and dimension 4. No requirement of license for registration. The full version software should be installable in large number of computers. Lifetime free upgrades of Software & <p>Firmware should be available.</p> <ol style="list-style-type: none"> 5. Mac and PC compatible software 6. 16-bit and 8-bit tiff images with a one-click export option 7. Software should produce customizable reports with data organized as desired, including, Lane and band identification, molecular weight or base pair evaluation. Band sizing and quantification are based on a reference band or quantity standards. Software should offer live update of results with any change of analysis parameters. 9. Local/Global background subtraction for individual bands 10. Tools for compliance with U.S. FDA 21 CFR Part 11 regulations.
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12		Bench Top Micro Centrifuge	<ol style="list-style-type: none"> 1. System should have Variable speed from 500-15000 RPM (RCF: 15596g) with Microprocessor controller 2. Rotor Capacity of the system 12 x 1.5 ml / 2.0 ml microtubes, Optional PCR strip rotor 3. System should have Intuitive interface for quick and convenient setting with last run memory feature 4. System should have Smooth & silent operation even at maximum speed 5. System should have Large display for easy viewing of multiple parameters with a single glance 6. Should have One-touch short spin 7. Compact design and capable used in hoods and cold rooms 8. System should have One touch RPM / RCF conversion operation 9. Safe low voltage device 10. Imbalance Detection 11. Motor Type: Brushless DC (BLDC) Motor 12. Timer Setting: Countdown Timer from 1-99 Mins & Infinity Mode 13. Dimensions (WxDxH): 187 x 265 x 115 mm 14. Noise Level: < 60 db 15. Weight: 2.2 Kg 16. 12*1.5/2 ml rotor 17. Reduction Adaptors For 0.2 ml Microtubes, Reduction Adaptors For 0.5 ml Microtubes
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