

UNIVERSITY OF KERALA

(Established as University of Travancore by the Travancore University Act in 1937 and reconstituted as University of Kerala by the Kerala University Act of 1957 and presently governed by the Kerala University Act of 1974 passed by the Kerala Legislative Assembly.

Accredited by NAAC with A grade)

DEPARTMENT OF BOTANY



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22/Bot/Trans Pjt/240/18

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QUOTATION NOTICE

Quotations are inviting for the following items in the project on 'Establishment of Translational Research Facility in Plant Cell Culture Technology', Phase III in the Department of Botany, University of Kerala, Kariavattom, Thiruvananthapuram.

Specification for Gel documentation system

- UV light source to be provided to visualize ethidium bromide stained gels on a flat glass plate. It should be compatible with a wide range of fluorescent and visible dyes (e.g. Qdot®, SYBR Safe®, ethidium bromide). Should be able to use in conjunction with the electrophoresis device for visualizing various pre-cast agarose gels.
- It should allow the use of safe blue-light transillumination without the risks of UV light transillumination.
- Compatible with different gel formats including precast gels (e.g. E-Gel® Agarose Gels, NuPAGE® Novex Bis-Tris Gels) and pour-it-yourself gels (agarose, or polyacrylamide).
- System is to be provided with an automatic shut-off switch turns the transilluminator bases off after 10 minutes.
- The Camera Hood with 1.3Mp or above, 16-bit, CMOS, sensor chip coupled to lens and mounted on an interchangeable filter tray.
- Provision for sensors alert to permit illumination only when the Imager Camera Hood is properly positioned over the Light Base unit.
- System should have universal filter, green filter for SYBR SAFE dyes and Qdot filter for Quantum dot applications.
- Facility to detect high and low intensity band widths.
- System has Live Mode option to identify specific region of the image and show histograms.

- System accommodate gel electrophoresis unit to see the realtime documentation of sample running and analysis automatically.
- Multiple Image Acquisition: is an advanced image capture function to acquire a series of images over time (e.g., for bands migrating during gel electrophoresis).
- System should have automatic gel capture. Overexposure tool to automatically display overexposed, saturated areas in colour indication with the given images.
- Auto-contrast: function increases the contrast of the image and helps to reveal low concentration bands in the gel image.
- Viewing surface dimensions: 42 mm x 83 mm or above
- Gel capture and data analysis software is to be provided.
- Suitable laptop computer (15.6 inch LED HD display, processor core i3 6th generation or above) is to be included.

Terms and Conditions

- The price quoted should be that applicable for the educational institutions.
- The items should have an onsite warranty for at least 3 years.
- The firm should be capable to extend immediate service, which in no way should not exceed 24 hours.
- Prices are to be quoted FOR DESTINATION (Department of Botany, University of Kerala, Kariavattom. The prices quoted should clearly indicate the 4 following charges: Price of the equipment; Price of optional accessories if any; Customs duty (after submission of custom and excise exemption certificate); Customs Clearance Charges, transportation charges and installation charges. If these details are not provided it will be considered that the price quoted is inclusive of all charges.
- For those bidders submitting tenders for more than one instrument, separate applications for each instrument (Technical Bid and Financial Bid) must be placed in individual sealed envelopes and these envelopes must be placed inside a bigger envelope.
- Only one model can be quoted in a tender. If the tenderer wants to quote for more than one model separate tenders should be submitted. If more than one model is quoted in a single tender it will be summarily rejected.
- Performance Certificate of the specified model should be attached along with the quotations.

The bid technical and financial separately complete in all respects may be submitted to Associate Professor & Head, Department of Botany, University of Kerala, Kariavattom, Thiruvananthapuram 695 581, E mail ID: unikerbot@rediffmail.com within 15 days from the date of publication of the tender in the University website.



Suhara Beevy
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Associate Professor & Head

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