

N.I.Q.

UNDER REGISTERED POST

Dear Sir,

Please quote your lowest rates in DUPLICATE, for the item (s) given below as per the specifications. Your quotation should reach the undersigned on **or before 10.5.2017.**

**Gel Documentation system:
Specifications**

- ✓ The system should be capable for the detection of Nucleic Acid, Protein (1-D Gels and 2-D) gels upto midi/maxi gels.
- ✓ It may be used for detection methods like ethidium bromide, SYBR Green, SYBR Safe, SYPRO Ruby, , silver stain, Coomassie Brilliant Blue etc.
- ✓ Scientific grade Gel doc camera for quantification
- ✓ Camera ≥ 3 mega pixels with Image resolution ≥ 6 megapixels
- ✓ 4.65 x 4.65 μm size pixels
- ✓ 16-bit (65 536 grey levels)
- ✓ Camera high speed USB technology for faster image capture and download Autofocus configuration
- ✓ Dynamic range: 4.0 OD
- ✓ Quantum efficiency 70% at 450 nm
- ✓ Motorized lens version (aperture and autofocus)
- ✓ Auto exposure serial
- ✓ 8x48 Zoom 6 times
- ✓ **Fully computer controlled darkroom** , Black body imaging grade
- ✓ **Automatic light control** (start exposure and UV switch on automatically)
- ✓ **Steel and stainless steel darkroom** Epoxy-painted for chemical resistance
- ✓ **Epi white light LED** for visible imaging and preview, automatic epi white light at door opening and preview mode selection
- ✓ **F590 filter**
- ✓ **UV security switch** at door opening, forced UV button for gel cutting,
- ✓ Overheat automatic **UV switch timer** in case UV manual mode is on and not stopped.
- ✓ **8-watt build-in 21x26cm UV trans-illuminator 312 nm**
- ✓ conversion screen UV to white light
- ✓ USB Camera and USB ports for saving, printing connection
- ✓ Image acquisition and analysis software. (quantitation, Molecular weight ...etc.)
- ✓ Computer (with Intel Pentium dual core processor, 160GB HDD, 2GB RAM, CD-Read/Write, 17" TFT Monitor, Keyboard, Mouse).
- ✓ Suitable UPS

Essential Accessories:

Gradient Thermal Cycler with heated lid

Block format: 96-well, 0.2 mL VeriFlex Blocks

PCR volume range 10–100 μL

Program features •

- ✓ Program overwrite protection
- ✓ Auto restart (after power outages)
- ✓ Edit program during experiment
- ✓ One-touch incubation

VeriFlex Blocks range 10°C (5°C zone-to-zone, with 3 VeriFlex™ zones)

Temperature accuracy $\pm 0.25^\circ\text{C}$ (35°–99.9°C)

Max block ramp rate* 4°C/sec

Max sample ramp rate* 3°C/sec

Temperature range 0°–100.0°C

Temperature uniformity: <0.5 °C (30 sec after reaching 95°C)

Temperature calibration: Calibrated to standards traceable to the National Institute of Standards and Technology

Display interface: 6- 8-inch color TFT LCD

Warranty: Two Years

The rates quoted should be **FOR Botany Department**, P. U., Chandigarh. **SPECIAL DISCOUNT** for educational institutions/University teaching department may be mentioned. **The technical, financial bids and EMD be enclosed in separate sealed envelopes** duly marked and placed together in a duly sealed envelope giving our reference and due date of quotation. It should reach to **Dr. S. K. Upadhyay, Principal Investigator Department of Botany, Panjab University, Chandigarh-160 014 by due date**. Warranty both parts labour should be minimum of two years.

Thanking you,

Yours sincerely,

(S. K. Upadhyay)
Principal Investigator