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Subject: Request for submission of quotation/tender for “Tissue Stainer System”

Please send a sealed quotation in duplicate for “**Tissue Stainer System**” for our laboratory at the Department of Biological Sciences and Bioengineering (BSBE), Indian Institute of Technology Kanpur (IIT K) with specification and requirement as given below. The quotations should include taxes, warranty, educational discounts if any, freight and delivery. The quotation should reach our office at below mentioned address on or before **23.01.2012**.

TISSUE STAINER SYSTEM

SPECIFICATIONS

1. AUTOMATIC SLIDE STAINER

Should have a start position to hold more than 3 baskets.

Should have more than 25 no. of stations.

Should be able to stain more than 500 slides per hour.

Should have option to ON –OFF of automatic drain cycle and agitation.

Basket capacity should be either 20 or 30 slides.

Staining time adjustment for 20 sec. to 12 minutes and drain time adjustment from 1 to 30 seconds.

Audio and visual alarm for machine readiness for staining.

Integrated storage container of capacity upto 10 slide racks on working plate one should be near to loading position and one at unloading position.

Lid for staining troughs is must.

Fume extraction device for connection to an external exhaust facility.

Should have flexibility to connect water stations at any position from staining station No 2 to 17.

Power Supply: 230V/50Hz/.

2. TISSUE EMBEDDING STATION WITH COOLING PLATE

Setting Temperature Range: 55 – 70°C.

Paraffin Tank Capacity: 3 L

Tissue Bath: 1

Mould Warmer: 1

Heating Zones: 5 Independent Heating Zones.

Programming:	7 day programmable Start time.
Work Platform:	Brightly illuminated work platform.
Forceps Heating Arrangement:	Integrated Heating Arrangement up to six forceps.
Cooling Capacity:	60 moulds.
Lowest Temp. achievable:	-20°C.
Cooling Plate Area:	320 X 300 mm.
Thermostats:	Digitally Controlled.
Refrigerant:	Environment friendly.

3. TISSUE PROCESSOR

Processing Capacity:	30 Cassettes (round 36 mm Dia.)
No. of Stations:	9 staining stations , 3 Paraffin stations.
Reagent Capacity of Single Station:	1000 ml.
Immersion Time:	Programmable Timing sequence 0 -24 Hrs. for Each Station.
Basket Shaking Interval:	0 – 60 seconds in increment of 10 secs.
Paraffin Station Temp.:	ambient to 99°C.
No. of Programs:	20
Battery Backup:	4 Hrs.
Power:	800 W
Power Supply:	220/ 110 VAC 50- 60 Hz.

It should have reagent cover for minimum loss, working chamber illumination, facility of programming through touch screen.

- **Warranty:** One- two years from the date of installation
- **Installation and demonstration:** Free of charge at the site of use.
- **Proprietary,** authorization/distribution, instrument brochures and any other relevant documentation should be submitted along with the quotation.

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