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Request for submission of quotation for THREE equipments for histological analyses

Please send a quotation in triplicate, in a sealed envelope, to the undersigned for the supply of the following:

1. AUTOMATIC TISSUE PROCESSOR.

The instrument should have the following specification s:

- i. Carousel type with 12 stations of 1.8 liter each ; 10 reagent stations, 2 wax baths.
- ii. The System should have inbuilt vacuum with fume control.
- iii. Metal tissue basket having lesser base diameter compared to upper diameter to avoid baskets getting stuck. Capacity approx.100 cassettes.
- iv. Audible alarms for error message and warning codes.
- v. Ergonomic control panel with full protected keyboard and LCD.
- vi. Easy editing and changing of programs even during a processing run.
- vii. Delayed start function up to 9 days.
- viii. Infiltration time separately programmable for each station.
- ix. 9 freely selectable programmes.
- x. Drain time 60 sec.
- xi. Possibility of interrupting an automatic process for reloading or removing of cassettes for special applications before the end of a run.
- xii. Baskets are automatically immersed in a station during the power failure.

2. SPECIFICATIONS FOR AUTOMATIC ROTARY MICROTOME

The instrument should have motorized as well as manual and rocking sectioning mode, enclosed micrometer feed mechanism, alternate trimming and sectioning mode, section thickness totalizer and section counter, precise specimen orientation with zero point reference and ability for voltage selection , Blade Holder with, Disposables blades High Profile, with the following specification .

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|------------------------------------|--|
| 1. Section thickness selection | : 0.5 to 100 um |
| 2. Horizontal specimen feed | : 28 mm +/- 1 mm, feed motion via step motor |
| 3. Coarse advance | : Motorized , 300 um / sec, and 900 um/sec. |
| 5. Vertical specimen stroke length | : 70 mm . |
| 6. Specimen orientation | : Horizontal 8 deg., Vertical 8 deg. |

7. Trimming section thickness : 1 to 600 um
8. Specimen retraction
 Motorised sectioning : Varying with the sectioning speed.
 In manual sectioning : 5 to 100 um in 5 um increment
9. Sectioning speed : 0.5 to 420 mm / sec.
10. Emergency 2nd hand-wheel brake directly on the hand-wheel.

3. Specifications for Cryostat

The Instrument should have single compressor and one peltier cooling unit with following specifications with low profile disposable blade attachment :

- => Section thickness from 1 to 60um
- => Maximum specimen feed 55mm
- => Horizontal specimen feed 25mm
- => Vertical specimen stroke 59mm
- => Chamber Temperature down to -35 deg C
- => With specimen retraction
- => Trimming via Motorised coarse feed button.
- => Motorised coarse feed at two speed
- => Manual defrost freezing shelf.
- => Power saving through insulation technology for durability of the refrigeration system.
- => Enclosed drainage system
- => Orienting specimen head for direct fitting of specimen disks
- => Quick freeze shelf Peltier unit for freezing down to -60 deg C
- => Automatic and Manual chamber defrost cycle.
- => Splash protected microtome

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