



Notice Inviting e-Tender

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**Supply and Commissioning of Different Medical Equipment for Calcutta National
Medical College and Hospital**
(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT- 071 /2025

Dated-21.01.2025

Amendment-I

Revised Technical Specification
Schedule IV
Crystostat for frozen section

Instrument: Clinical CRYOSTAT: must have features:

1. Freestanding cryostat with encapsulated, splash-proof microtome avoids unnecessary parts to get frozen, saves energy, enhancing cryostat performance
2. Spacious, stainless-steel cryochamber with antiglare illumination
3. Heated, removable sliding window should be must
4. Stable, self-contained cry cabinet on casters
5. 2 in 1 Premium Blade holder for both High & low Profile blades
6. Hand wheel manually lockable in two positions making it user-friendly & performance safer
7. Easy-to-handle and stable clamping system for clamping the specimen discs and with sturdy Stretching Device for Cryostatic sections combined with Anti-Roll Glass plate-unique feature which avoids frozen section rolling by pushing the cut section through a narrow gap of precise height & depth.
8. 8" XYZ specimen orientation with zero point reference: Specimen orientation: should be 8' (x-,y-, z-Axis)
9. Cryochamber temperature selection from 0° C to 30° C preferable, adjustable in 1K; increments at ambient temperature of 20° C.
10. Easy-to-clean & disinfect, actively cooled specimen preparation zone with quick-freezing shelf for up to 10 specimens with max temperature preferred up to 37° C
11. Cryochamber may be defrosted manually or via automatic hot-gas defrosting once every 24 hours.

12. The cycle may be programmed in 15-minute increments
13. Maximum specimen size of 55 x 55 mm or 50 x 80 mm-Specimen feed does not weigh in due to Unique force balancing technique
14. Cryochamber and quick-freezing shelf can be defrosted manually Should be equipped with an acoustic warning signal to prevent unintentional defrosting
15. Manual defrost cycle for chamber and quick-freezing shelf: 10-12 minutes
16. Low-maintenance microtome with cross roller guides.
17. Easy-to-Rotate hand wheel with spring balance to apply negligible pressure on arm to manually rotate hand wheel, reduces strain & enhances user-comfort
18. Reproducible, high-quality thin sections via stepper motor specimen feed.
19. Section thickness selection from outside the cryochamber
20. selectable in 0.5 μm increments from 2-5 μm ,
21. selectable in 1 μm increments from 5-20 μm ,
22. selectable in 5 μm increments from 20-60 μm ,
23. Total vertical specimen stroke: 59 mm
24. Total horizontal specimen feed: 25 mm
25. Motorized coarse feed in 2 speeds: slow of max. 600 $\mu\text{m}/\text{s}$ and fast min. 900 $\mu\text{m}/\text{s}$ for coarse feed to suit use/s reference
26. Step function 20 m each time the key is pressed at slow coarse feed speed
27. The bidder should submit valid CDSCO Certificate / Registration / License for both the manufacturer(s) and importer(s) as applicables.
28. Should have dedicated manufacturer company's own service support or channel partner for East India (not distributor's) with a team of company's own service engineers to support us timely