

Tissue embedding system with accessories

Technical Specifications

1. A state of the art embedding system with microprocessor regulated bench top tissue embedding system with touch pad control to adjust the wax-dispensing unit, cooling, heating and pre-warming unit. Each module should have display and independent control.
2. The Paraffin melting reservoir should have temperature range between 50 °C to 70 °C, or better with ± 1 °C steps. The Paraffin reservoir should have at least 3 liters or better capacity to hold melted wax.
3. Cold plate module should have sufficient space to accommodate at least 50-60 blocks.
4. Refrigerated spot should be integrated in cold plate for tissue orientation.
5. Appropriate cassette bath store.
6. Mold warmer and work surface temperature should be programmable in the range of 50 °C to 70 °C, or better with ± 1 °C steps.
7. Modules for cold spot should have temperature ~ 4 °C, while the cold plate should have -5 °C or better.
8. Each module (wax reservoir, heating plate, cold spot, cold plate etc.) should have temperature adjustment via touch display independently.
9. Flow of wax from reservoir should be adjustable using foot peddle or by knob.
10. Embedding system should have programmable work flow with automatic start up and switch off time.
11. Forceps warmer along with 1mm, 2mm and 4mm tip.
12. Justify the specification in their order of requirement including the part number and price of individual components.
13. In the support document the bidder should include original catalogue and part number of the instrument. In the absence of such documents the bid will be rejected and will be technically disqualified.
14. The system should be equipped with all accessories for proper & effective functioning (such as power supply cords, dust cover, stabilizer etc.) Any up gradation of the system accessories and software within a year from the time of installation should be provided free of cost.
15. We reserve the right to increase or decrease final warranty period, kits and reagents as well as configuration of the instrument. Therefore mention the part numbers and price, respectively in optional and standard format.
16. Five years of unconditional warranty should be offered. Annual price for five years of annual maintenance contract (AMC) must be quoted with terms and conditions clearly.
17. Bidder should have at least five embedding system installations in Academic institution within India with proven track record of maintenance and application support in last three years.
18. Supply 40 kg of Paraplast tissue embedding grade and 40 liter of HistoClear/xylene free clearing reagent.
19. Microscopic SuperFrost Plus slide (25mmx75mmx1mm) at least 2000, cover slips (24x50mm) minimum 2000, slide storage boxes for 2000 slides and one hundred wooden blocks LxWxH mm (25x20x20) for microtome.

20. HL-2000 UVP branded HybriLinker hybridization Oven with orbital motion tray, rocker tray, bottles of 35x150mm (4 in numbers) and 35x300mm (4 in numbers). The A Hybridlinker HL-2000 should come with both nucleic acid hybridization and UV crosslinking facility with at least three years of warranty.
21. Branded Scintillation vials of 20 ml capacity at least 1000.
22. Vibration free table for accommodating the embedding system.
23. Staining boxes (40 in numbers) made up of glass with lid for microscopic slides LxWxH mm (105x85x70), glass should be bake able at 180°C for RNA work.
24. Staining racks ten in number LxWxH mm (85x60x45) of glass or metal, with wire handle.
25. Metal base molds at least 60 in numbers with depression of 7x7x5mm size.
26. Embedding cassettes 2000 fitting on the above metal base molds.
27. Dumont precision tweezers made of titanium, Type 5, six in numbers, (thickness of tip 0.01mm, width of tip 0.05mm and length 110mm), Type 3, six in numbers, (thickness of tip 0.1mm, width of tip 0.17mm and length 120mm),
28. Precision tweezers special Dumont Type 2E1/2 (tip 12.7mm), two in numbers, length 118mm.
29. Long forceps, three in numbers, 300mm length with 25mm corrugated handle.
30. Forceps made of spring steel, Blunt 115 mm length, ten in numbers.
31. One desiccator Plain Glass Clear DN300, with porcelain plates and knobbed lid.
32. One desiccator for vacuum SCHOTT DURAN DN300, Outlet in Lid with Stopcock, flat flanges, NOVUS junction and porcelain plate.
33. Price of individual components should clearly be specified in the standard and optional format in the quote. The bidder should justify each specification point by point in their order of requirement and should provide the evidence for the same in the technical brochures of the instrument with page number. Photocopied catalogues will not be considered for technical specification evaluation. Quotation not done in the proper form may invite technical rejection and will be technically disqualified.
34. The embedding system has to be quoted with all other accessories, since these accessories are required for effective use of this system. Quotation missing any of the above mentioned items or their parts would be disqualified straightway.