



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES,
JODHPUR**

Admn/Prop/46/2022-AIIMS.JDH

ated: -09th September 2022.

Subject: Purchase of Vacuum Assisted Fully Automated Tissue Processor the Department of Pathology at AIIMS, Jodhpur on proprietary basis-

Inviting comments thereon.

The Institute is in the process to Vacuum Assisted Fully Automated Tissue Processor for the department of Pathology at AIIMS, Jodhpur from M/s Shandon Diagnostics Ltd. (a subsidiary of EpreDia), United Kingdom on proprietary basis. The proposal submitted by M/s Shandon Diagnostics Ltd. (a subsidiary of EpreDia), United Kingdom and PAC certification by user are attached.

The above document are being uploaded for open information to submit objection, comments, if any from any manufacturer regarding proprietary nature of the equipment within 21days of issue giving reference Admn/Prop/46/2022-AIIMS.JDH. The comments should be received by office of Deputy Director (Admin), Medical College at AIIMS, Jodhpur on or before 30th September 2022 upto 03:00 PM failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

Deputy Director (Admin)

Enclosed: Related documents enclosed.



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Dated: 25/04/2022

Proprietary Certificate- Fully Enclosed Tissue Processor Model – Excelsior AS

To Whom so ever it may concern:

We, Shandon Diagnostics Ltd (a subsidiary of Epredia), United Kingdom formerly known as Anatomical Pathology Division of Thermo Fisher Scientific who are proven and reputable manufacturers of Fully Enclosed Tissue Processor having factories at Tudor Road, Manor Park, Runcorn, WA7 1TA, United Kingdom, hereby confirm that we are having following proprietary features in Fully Enclosed Tissue Processor- Model- Excelsior AS

- ❖ Reagent management system with measuring the specific gravity of the first alcohol during every run.
- ❖ Inbuilt Vacuum with down draft ventilation facility
- ❖ Spiral Rotational Agitation facility
- ❖ Inbuilt power battery backup of 40 mins.

Yours faithfully,

For Shandon Diagnostics Ltd (a subsidiary of Epredia)

Martin Lui
Senior Manager, Products, Asia Pacific
Epredia

www.epredia.com



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Technical Specifications for Vacuum Assisted Fully Automatic Tissue Processor

1. Tissue processor should be floor standing type.
2. Machine should be able to process simultaneously **minimum 300 cassettes** in one cycle with user-selectable 150 or 300 cassettes capacity.
3. Should be capable of **running rapid biopsy protocol** during the day for fast processing and conventional programs overnight.
4. Colour touch screen LCD display of cycles, reagent levels, date and time
5. Machine should have fully automatic and programmable reagent management system.
6. All machine operations should be microprocessor based.
7. Machine should have automatic/manual functioning mode.
8. Machine should have comprehensive monitoring and full process control.
9. The system must have the facility to protect the patient sample when a low volume reagent issue and / or a failure to pump in a reagent occurs.
10. Filling time of reagents between 1 to 2.5 min.
11. Machine should have auto memorization and recovery.
12. Should be capable of performing level test during program start so that it will stop automatically if level is not reached.
13. Machine should perform pre-test after starting the program to confirm that all lines and valves are un-blocked.
14. Movement of reagents with ambient, vacuum, pressure and pressure / vacuum option.
15. Machine should **have auto cleaning cycle**. Should have efficient paraffin wax cleaning system to extract solvent contaminants to increase wax life.
16. Efficient activated Carbon filter to reduce exposure to hazardous fumes.
17. Instrument should have protection from overheating and excessive vacuum and pressure for user safety.
18. Machine should have low reagent alarm system. Remote alarm to signal possible problems and reagent change etc. should be there.
19. Processing retort volume should not be more than 5/6 liters. Agitation inside the retort for better tissue penetration and processing
20. Temperature (paraffin) should be 50 to 70°C.
21. **Reagent temperature should be 35 °C to 60 °C**
22. Temperature Accuracy Should be +- 10C.
23. Minimum 4 paraffin bath. Volume of each paraffin bath should be minimum 4 liters.
24. Paraffin Wax average melting time should not be more than 3 hrs.
25. Reagent bottles should be minimum 10 in numbers. Volume of each reagent bottle should be minimum 4 liters.
26. Cleaning bottles should be minimum 3 in numbers. Volume of each cleaning bottle should be minimum 4 liters.
27. Tissue processor should be **USFDA registered**.
28. Suitable UPS with maintenance free batteries for minimum 2-hour back-up should be supplied with the system.
29. ~~Manufacturing company/ parent company must have experience of 40-45 years of manufacturing experience.~~ *This point is to be deleted. 30/9/2022*
30. 5 years' warranty and 5 years CAMC.
31. Installation, commissioning and training should be free of cost.
32. Demonstration may be asked if required.

30/9

31/9/22

31/9/22