

Specifications of fully automated Immunohistochemistry Instrument

1. System should be fully automated, slide preparation system to prepare slides for immunohistochemistry (IHC), in situ hybridization, Immunofluorescence.
2. The slide stainer should be having the option of delay start.
3. Compatibility for paraffin (dewaxed), frozen section and cytology smear.
4. The system should open for primary antibodies.
5. Should be capable of running more than 4 staining protocols.
6. Must be fully automated to do baking, de-paraffinization, antigen retrieval and staining within the same system.
7. Should have a thorough put of 30 slides at a time.
8. IHC time run should not be more than 3.5 hr.
9. Antibody and micro reagent consumption per slide should not be more than 100 μ l.
10. Should be compatible for use with standardized protocols or user defined protocols.
11. The system must have individual slide heater for all the slide position and slide temperature should be individually controlled.
12. Should have a slide labeling system (Bar code reader/Printer).
13. Should have operating temperature from 35⁰C to 100⁰C and 10-90% humidity.
14. The system should have liquid cover slip which will be able to control evaporation.
15. The system should be able to recognize slide specific Bar Code label which will provide automatic programming, patient and case identification.
16. There should not be any pre-staining manual steps involved to cover the slides.
17. A single slide run should not consume more reagents per test compared to when run in batches.
18. Should have facility of individual programming for each slide with any protocol.
19. Must have the option of manual antibody addition/ titration.
20. The installation, training and standardization of antibodies should be done free of cost.
21. The system should have compatible computer and software of latest technology available during installation. The software should be upgradable and provided free of cost.
22. Should provide comprehensive maintenance contract (CMC) for next 5 years.
23. Instruments performance certificate should be provided from reputed Hospital/ Lab. in both Govt. and Private sectors.

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