

Fully automated Slide Stainer for FISH, Immunocytochemistry, IF, special stains, multiplexing and IHC

Technical Specifications:

1. Compatibility for multi format specimen processing: Frozen, FFPE, Cell preparations, Smears and FNAs.
2. It should be flexible system that allows user defined protocols and reagents of choice.
3. Compatible with metaphase chromosome Fluorescence In Situ Hybridization (FISH) and customizable according to all probes (single color/dual/triple/mFISH/mBAND)
4. Automation of baking, dewaxing, antigen retrieval, counter staining and cover slipping.
5. Throughput of at least 40 slides at a time and a high throughput of 60 slides in an eight-hour shift.
6. Simultaneous operation of different staining protocols in a single run and customizable staining protocol in software.
7. Temperature range for each slide holder: 4°C to 105°C.
8. Real-time slide map and inventory management report.
9. Reaction micro-chamber for even reagent distribution and longer incubation or hybridization (24-48 Hrs).
10. Automated humidity chamber that can offer up to 95% humidity and can maintain the humidity for 24-48hrs.
11. Should have the option for manual dispensing of FISH and or any other probes/antibodies.
12. Reagent dispensing volume range: 10-1000µl and adjustable dispensing volume.
13. Individual programming for each slide with any protocol (FISH, Immunocytochemistry, IF, special stains, multiplexing and IHC).
14. On board mixing of Chromogens.
15. Reagent capacity: at least 40 different reagent containers
16. On board mounting and cover slipping.
17. Liquid level sensor to ensure accurate dispensing.
18. Should employ disposable pipette tips for reagent dispensing.

19. Compatibility for delayed over night run and multiple slide processing options– Random, Continuous and STAT.
20. Color-coded GUI-real time tracking of all assay parameters.
21. Display: minimum 18 inches wide angle display with Graphic User Interface.
22. Operating Voltage: 220 voltages, 60Hz.
23. Operating Environment: 20-40⁰C temperature, 50 - 90 % relative humidity
24. Software: Should be upgradable and compatible for LIS connectivity.
25. The equipment should be ISO/FDA / European CE approved.