

SPECIFICATION FOR AUTOMATED GRAM STAINER

System should have:

- Slots for Primary Stain (Crystal violet), Mordant (Iodine), Decoloriser & Counter stain (Acetone Safranin, Safranin, Acetone Fuchsin, Fuchsin)
- Speed programmable from 100 to 2000 rpm
- To be conducive to all specimen types including Sputum, Pleural fluids, Synovial/Pericardial fluids, Bronchial Washings, CSF, etc.
- Program memory to customize protocols based on samples
- Touch screen interface for easy-handling of the system
- Visual alerts in case of low reagent level or full waste container
- Level monitoring for waste and reagents to avoid spillover and staining issues
- Quick to load, push button carousel
- Automated cleaning of the nozzles & the instrument for easier maintenance & to help lessen troubleshooting issues
- Full traceability of reagents, users, maintenance, and slides by means of a barcode reader
- Storage of all operation performed on the system in log file which can be exported
- No change in reagents during operation
- Standard 12-slide capacity, upgradable to 30-slide capacity
- User Customisation
- Cytocentrifuge head holds 8 slides
- Reagents come in 500ml bottles
- Number of slides /bottle = approx. 1200 (setting dependent)
- Flexibility:
 - Compatible with both 12-slide and 30-slide carousel
 - 2-in-1 function with optional centrifugation rotor

- Allows variable sample input volume for different culture types
- Choice of fixation methods to meet individual needs
- Multiple decolorization settings for different specimen thickness
- Program memory to customize protocols based on samples (Upton 10 storable programs)
- Choice of reagent type & packaging
- Batch staining or partial loads