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Data Sheet

Automatic Multiple Slide Stainer ATS 200



Version 1.1

Histo-Line Laboratories

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1.Features



1.1 Information and specified use

The ATS200 Automatic Slide Stainer is the necessary equipment for pathology workflow. Designed for staining applications in pathology and research, ATS 200 can perform simultaneous process of different staining protocols, allows continuous unload & reload without interrupting staining cycle.

All functions, menu-driven programming, incubation times and sequence of use of reagent stations are freely programmable and controlled by the touch screen panel.

Ergonomic design, integrated oven for slides drying, digital electronic temperature control, movement parts are in bearing linear guide for high precision on axis.

Total flexibility of open consumables and reagents for a superior staining quality.

1.2 Reliability and precision of the staining

1. Histo-Line ATS 200 is provided with a control system of the PLC and functions
2. Freely programmable functions like immersion and incubation times, agitation and the station sequence.
3. Large, easy-to-read LCD touch screen panel.
4. Precise high performance stepping motor with transmission belt, in order to ensure a balanced stroke, and noise reduction.
5. Equipped with a photoelectric switch in a fixed position, able to memorize the position and automatically restores functions.
6. Ergonomic design, integrated heating station for drying the slides, and digital temperature control.
7. Ability to store and run up to 20 different user defined staining protocol, with 50 step each.
8. Can be attached to a UPS backup (optional), in order to carry out the work during power failure.
9. ATS 200 has 26 stations available, among which 18 stations for reagents, 3 tanks for water rins, 3 waiting stations, 1 loading station; 1 output station for unloading the rack of slides, 1 heating station



2. Technical specifications

2.1 Electrical data

Certification: CE, IVD

Protection class: I

Fuses type Fst: 10 A

Pollution class: 2

Over-voltage Category II Installation

Power supply: 220V ~ 50Hz and 110V ~ 60Hz

Maximum power draw: 300 V/A

2.2 Capacity

Specimen slide throughput: At least 200 specimen slides for hour (depend on the selected program)

Loading: 5 slides rack

Slide rack capacity: 30 specimen slides

Number reagent stations: 18

Total number stations: 26

Reagent container volume: 600 ml

Number of wash stations: 3

Number of wait stations: 3

Oven: 1

Oven chamber temperature: from ambient temperature to 85 °C

Load/unload stations: 1 each

Incubation time setting: from 0 sec. up to 9999 sec.

Permanent memory capacity: 20 programs up to 50 programs steps each

2.3 Dimensions and weight

Width: 120 cm

Depth: 50 cm

Height: 60 cm

Weight :110 kg

2.4 Instrument equipment

Power cable

Manual instructions