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2023

Vacuum Tissue Processor HISTO-PRO 300 User Manual



1.2 Information and specified use

S1, S4

The HISTO-PRO300 Vacuum Tissue Processor is the necessary equipment for pathology processing specimens. It is a modular automated tissue processor designed for the laboratory applications as fixation, dehydration, paraffin infiltration of biological tissue specimens.

The instrument must be operated only according to the instructions contained in this manual.

1.3 User group

- The Histo-Line HISTO PRO may only be operated by qualified personnel.
- The user must read the operating instructions supplied and be familiar with all the instrument's technical details before any work on the instrument.

1.4 Instrument type

All information in this instruction manual applies only to the instrument type indicated on the title page.

A name plate with the serial number is attached to the back of the instrument.

5.7 SYSTEM SET INTERFACE – Manual

Press **MANUAL** button in *SYSTEM SET INTERFACE* screen (**Fig.4**), will display as follow:

S17

The screenshot shows a control interface with a blue background. At the top, there are three columns: 'Temp.', 'Set', and 'Test'. Below these are five rows of controls for 'Retort', 'Wax', 'PipeA', 'PipeB', and 'PipeC'. Each row has a temperature display showing '0°C' and a 'Test' button. To the right of these rows are 'Heat' and 'Stop' buttons. Below the temperature controls, there is a 'Choose station no.: (1-15)' input field and a 'Current station no.:' label. At the bottom, there are three rows of buttons: 'Go to station:', 'Fill reagent:', and 'Drain reagent:', each with 'Start' and 'Stop' buttons. A 'Back' button is located at the bottom right.

(Fig.7)

1. **Temperature:**
Retort, wax containers, Pipe A, Pipe B, Pipe C temperature set / Test.
2. **Choose station N°:**
Set the required station number to run.

S20 5.10 Samples protection

Power supply failure

During running automatically, if main power supply failure, as soon as power supply recover, it will go on running from the pause step.

Retort Safe Switch is turn on



(Fig.13)

On the right handle of retort, there is a Safe Switch fixed. While retort in vacuum running, if the Safe switch is turned on, the running will stop immediately and show message on screen to remind customer.

S19 Retort reagent level is over than the Full Level Sensor



(Fig.14)

There are 3 Level Sensors totally in retort:

L Lower sensor, for Low Level processing.

H Higher sensor, for High Level processing.

F Overflow sensor, this is the highest level for reagent in retort.

If retort reagent level is over than the Full level sensor, it will stop running immediately.

S10 Biopsies

Step	Reagent	Time	Temp.	Vacuum
1	Formalin	0 min.		
2	Alcohol 95°	20 min.	40°C	V
3	Alcohol 95°	20 min.	40°C	V
4	Alcohol 95°	20 min.	40°C	V
5	Alcohol 100°	20 min.	40°C	V
6	Alcohol 100°	20 min.	40°C	V
7	Alcohol 100°	20 min.	40°C	V
8	Xylene	20 min.	40°C	V
9	Xylene	20 min.	40°C	V
10	Xylene	20 min.	40°C	V
11	Wax 58°	20 min.	60°C	V
12	Wax 58°	20 min.	60°C	V
13	Wax 58°	20 min.	60°C	V

Total Time (hours:minutes) 4:00

S10 Difficult samples

Step	Reagent	Time	Temp.	Vacuum
1	Formalin	60 min.	35°C	V
2	Alcohol 95°	90 min.	35°C	V
3	Alcohol 95°	60 min.	35°C	V
4	Alcohol 95°	60 min.	35°C	V
5	Alcohol 100°	90 min.	35°C	V
6	Alcohol 100°	60 min.	35°C	V
7	Alcohol 100°	60 min.	35°C	V
8	Xylene	90 min.	35°C	V
9	Xylene	60 min.	35°C	V
10	Xylene	60 min.	35°C	V
11	Wax 58°	90 min.	60°C	V
12	Wax 58°	60 min.	60°	V
13	Wax 58°	60 min.	60°	V



NOTES: Consider the suggested programs as strictly indicative. They can vary according to several factors such as the quantity and quality of the samples, the fixation of the same, the quality of the reagents etc. The experience of the Pathologist is essential to determine the ideal processing times