



Dako CoverStainer.

Truly Automated H&E.



Dako CoverStainer fully automates every step of the primary staining process to deliver consistent and high-quality results while enabling a safe, lean and optimized workflow to maximize efficiency in the pathology laboratory.

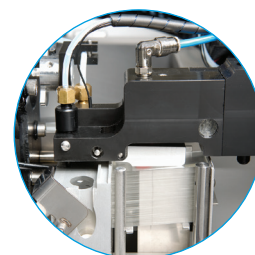
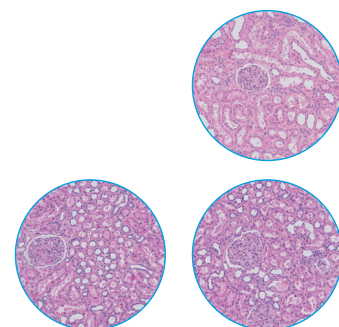


Dako CoverStainer Specifications

Specification	Description
	Background
Instrument	The Dako CoverStainer is a fully automatic working station that covers: • Baking • Dewaxing • Staining • Coverslipping • Drying
	Standards – Directives – Quality System
Labeling	IVD, CE marked according to IVD Directive 98/79/EC
Quality system/standards	ISO 9001 ISO13485 ISO13485 CMDCAS (Canada) FDA, 21CFR 820
	Technical Data/Installation
Instrument dimensions	150 cm W x 67.2 cm D x 128.0 cm H (59.1" W x 26.5" D x 50.4" H) The "dry" weight of the Dako CoverStainer instrument is 175 kg, equal to 385 lbs.
Electrical requirements/power	100-120 V~ 6A 50/60 H Fuses: 2 x T6AL 250 V Inlet voltage setting: 115 V 210-240 V~ 3A 50/60 Hz Fuses: 2 x T3AL 250 V Inlet voltage setting: 230 V
Networking/LIS connection	LAN: Preferably with DHCP server Cable: Minimum CAT-5 patch cable, maximum length: 3 m (10 ft)
External ventilation	4" (110 mm) duct Airflow range: 80-140 m³/h required (47-82 ft³/min)
Waste/drain	Sink or drain within 2 m (6.6 ft) Two separate waste containers (10 L each) One waste which empties automatically (10 L) One hazardous waste, manually emptied, if required (10 L)
Environmental conditions	Dako CoverStainer must be used indoors and the work area for Dako CoverStainer must be an environment with an ambient temperature between 18-26 °C (65-79 °F) and 25-60% RH. The instrument must not face direct sunlight
Water supply	¾" thread tap Pressure range: 0.2 - 0.4 MPa Connection to tap water
Accessories	The instrument is delivered with: • 50 racks • 40 reagent bottles • 36 dip tanks with distribution plates • Three rack holders • User Guide • 1,000 Dako Cover Glasses



Specification	Description
Staining module	
Heating chamber capacity	12 racks at a time, maximum 120 slides
Heating chamber temperature	Minimum 50 °C and maximum 70 °C (122-158 °F)
Slide rack capacity	1 to 10 glass slides per slide rack
Loading of slide racks	Slide racks can be loaded continuously at seven-second intervals, with up to four racks at a time
Capacity	Up to 240 slides per hour
Overnight run	Maximum 240 slides 120 slides coverslipped and dried 120 slides waiting in exit bath before coverslipping
Reagent stations/reagent bottles	18 dip tanks divided into two compartments which give 36 reagent stations Dip tanks 1-2 and 14-16 (i.e. reagent stations 1-4 and 27-32) are reserved for xylene or xylene substitute due to special requirements to the solvent pumps Dip tanks 17-18 (i.e. reagent stations 33-36) are reserved for running tap water One reagent station contains approx. 300 mL 20 reagent bottle positions (1,000 mL) All reagents circulate constantly during processing (DakoRMS) 20 membrane pumps (five pumps for xylene, 15 pumps for other reagents) Each pump uses one reagent bottle and can go to one reagent station or two dip tank compartments
Reagent capacity	Dako CoverStainer reagents (Dako Hematoxylin, Dako Eosin, Dako Differentiation Solution and Dako Bluing Buffer) or user-defined reagents. Please note: We recommend reagents to be changed every five days or for every 3,000 slides (whichever comes first).
Protocols	20 protocols of which 19 can be programmed by the user It is possible to change number of steps, reagents, and time in the protocols Each rack can be loaded with any of the 20 protocols as needed Three validated, pre-optimized protocols for both progressive and regressive staining
Alarms	Alarm notification when protocol is completed Alarm notification, if error occurs (screen error message pops up)
Coverslipping	
Cover glass size	24 x 50 mm
Mounting medium	Dako CoverStainer is validated with Dako Mounting Medium (CS703 and CS705) The use of other mounting media is at the user's own risk.
Programming of mounting parameters	Placement of both cover glass and amount of mounting medium applied to each slide can be programmed



Dako CoverStainer

The efficient, safe and accurate choice for H&E.

- Walk-away solution designed for LEAN processes
- Processes 240 H&E slides per hour
- First batch of coverslipped slides in as little as 46 minutes
- Proven consistent staining quality - 3,000 slides or five days' usage
- Three sets of validated Dako CoverStainer reagents
- Pre-filled RTU reagent bottles minimizes spills and reduces handling
- Safe and cost efficient waste management

Trusted Answers. Together.

For more information, please contact MMJ Biosystems, our Agilent Authorized Distributor.
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