

# Dako Omnis.

A comprehensive IHC and ISH solution that is truly a generation ahead.

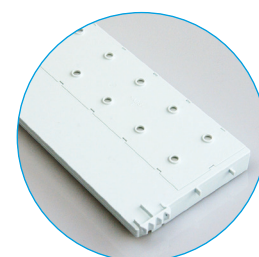


The Dako Omnis solution enables a continuous patient-based workflow, in which IHC, IF and ISH slides can run simultaneously on the same instrument, each with unique combination of antibodies.

The Dako Omnis solution includes FLEX Ready-to-Use antibodies, EnVision FLEX visualization system, validated protocols & protocol templates, DakoLink Software and Premium Service & Support.

# Dako Omnis Solution Specifications

Specification	Description	
Instrument	<b>Processes</b>	Fully automated staining, from deparaffinization to counterstaining. IHC and ISH validated protocols and reagents.
	<b>Operation</b>	Continuous workflow (or batches). 5-slide racks to optimize capacity utilization and patient-case management. Reagents and slides can be loaded and unloaded as needed, also during runs. Easy-to-use software interface, please see more details in the DakoLink Omnis software section. Designed with built-in safety measures to minimize potential human errors.
	<b>Labeling</b>	CE-marked
	<b>Quality system/standards</b>	ISO 13485, ISO 13485 CMDCAS (Canada)
	<b>Accessories</b> (All delivered with starter pack; can also be ordered separately).	At delivery, the Dako Omnis instrument contains: <ul style="list-style-type: none"> <li>Dako Omnis Water Container, 7 L, 5 pcs. GC11030</li> <li>Dako Omnis Bulk Bottle, Waste Container, 7 L, 5 pcs. GC11830</li> <li>Dako Omnis Buffer/Solvent Container, 3½ L, 8 pcs. GC10930</li> </ul> The following accessories are delivered separately with the instrument: <ul style="list-style-type: none"> <li>Dako Omnis Slide Rack, 6 pcs, GC10130</li> <li>Dako Omnis Slide Rack Color Clips (4 colors, 25 pcs), GC10330 (Red), GC10430 (Blue), GC10530 (Green), GC10630 (Grey)</li> <li>Dako Omnis Mixing Strips, 25 pcs, GC10730</li> <li>Dako Omnis Solid Waste Bag, 25 pcs, GC10830</li> <li>Dako Omnis Buffer/Solvent Container Label sets, GC11130</li> <li>Dako Omnis Water/Waste Container Label sets, GC11230</li> <li>Dako Omnis Small Vial, 2 mL set, GC20130-6</li> <li>Dako Omnis Large Vial, 30 mL set, GC20230-6</li> <li>Large Flap Slide Label Kit, S341730</li> <li>Dako Omnis ISH Lid, 5 pcs, GC10230</li> <li>Dako Omnis Quick Reference Guide, G110330</li> <li>Dako Omnis User Guides CD, international translations, G110430</li> </ul>
<b>Alarms</b>	Sound and visual alarms (green, yellow, red) indicating instrument run status.	
Staining Module	<b>Loading of slide racks</b>	Dako Omnis is designed for continuous loading and unloading. The instrument holds 12 racks of 5 slides (60 slides). Dynamic Gap staining technology. Temperature and humidity controlled processing environment.
	<b>Slide capacity</b>	60 slides (12 racks of 5 slides each). A maximum of 15 slides can be ISH slides, which provides the following combination options: <ul style="list-style-type: none"> <li>12 IHC racks</li> <li>11 racks of IHC + 1 rack of ISH</li> <li>10 racks of IHC + 2 racks of ISH</li> <li>9 racks of IHC + 3 racks of ISH</li> </ul>
	<b>Process time</b> (turnaround time)	Average IHC staining time: 2 hours 30 minutes Average ISH staining time: 3 hours 40 minutes
	<b>Loading capacity</b>	165 IHC slides can be loaded in a typical workday (8 hours including preparation for overnight run). 105 IHC stained during working hours and 60 to be stained overnight. (Based on the average TAT of 2 hours 30 minutes for IHC and continuous loading). 45 FISH slides can be loaded in a typical working day (8 hours including preparation for overnight run). 30 FISH slides stained during working hours and 15 overnight. (Based on the average TAT of 3 hours 40 minutes and continuous loading in a FISH only setting).
	<b>Overnight run</b>	12 racks (60 slides), three of which can be ISH (same combination of racks as stated before). Two overnight run modalities: <ul style="list-style-type: none"> <li>Continuous run (as standard daily runs)</li> <li>Delayed run (based on requested finishing time)</li> </ul>
<b>Type of slides</b>	The following slides are validated for Dako Omnis: <ul style="list-style-type: none"> <li>Dako FLEX IHC microscope slides (K8020)</li> <li>SuperFrost slides</li> </ul>	
Reagents	<b>Ready-to-Use Reagents</b> (antibodies)	Quality controlled FLEX Ready-to-Use reagents and protocols for optimal staining results. Reagents kept under temperature-controlled conditions (17 °C) to ensure their integrity. Please refer to the Agilent website for a complete list of reagents: <a href="http://www.agilent.com/en/products/dako-omnis-solution-for-ihc-ish">http://www.agilent.com/en/products/dako-omnis-solution-for-ihc-ish</a>
	<b>Reagent capacity</b>	60 reagent vials.
	<b>Visualization kits</b>	EnVision FLEX/FLEX+ visualization kits. Please refer to the Agilent website for a complete list of visualization kits: <a href="http://www.agilent.com/en/products/dako-omnis-solution-for-ihc-ish">http://www.agilent.com/en/products/dako-omnis-solution-for-ihc-ish</a>
	<b>Bulk fluid capacity</b>	8 x 3½ L bottle, for dewax, retrieval buffers and wash buffers and 4 x 7 L bottle for DI Water.
	<b>Other Dako reagents</b>	All Dako concentrated antibodies are preloaded in the Dako Omnis database.



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Protocols	<p><b>Validated protocols</b></p> <p>All Dako Omnis FLEX RTU validated protocols are pre-loaded in the system, as well as the <i>HER2</i> IQFISH-validated protocols.</p>																				
	<p><b>Protocol templates</b></p> <p>IHC-DAB (polymer based with/without amplification).            IHC-AP templates (Avidin-Biotin based or polymer based visualization).            Immunofluorescence template (direct and indirect).            Sequential double staining template.            FISH templates.</p>																				
Dako Link Omnis Software	<p><b>Network/LIS connection</b></p> <p>Connectivity to the Laboratory Information System using Dako's ULISA software can be ordered as an additional option. Data transfer using either HL7, XML or CSV formats is supported.</p> <p>Bi-directional connectivity allowing a "staining complete" message to be returned to your LIS on successful completion of a slide is available where supported by the LIS.</p> <p>The following barcode types are supported; 2D (Datamatrix, QR) and 1D (Code128, I2of5, Code 93, Code 39, Codabar, PDF417).</p> <p>Requirements:</p> <ul style="list-style-type: none"> <li>• Network connection from the Dako Omnis Server to the customer network.</li> <li>• Dako ULISA Software installed by a trained Agilent representative.</li> <li>• LIS System generating HL7, XML or CSV files.</li> <li>• LIS Administrator or LIS vendor to configure customer interface.</li> </ul>																				
	<p><b>Instrument dimensions</b></p> <p>H x W x D: 177 cm x 150 cm x 80 cm (69.7" x 59.1" x 31.5"). Height with front cover open: 220 cm (86.6").            Packaging dimensions and weights:</p> <table border="1"> <thead> <tr> <th>Instrument</th> <th>Length</th> <th>Width</th> <th>Height</th> <th>Gross weight</th> </tr> </thead> <tbody> <tr> <td>Dako Omnis packed</td> <td>156 cm (61.4")</td> <td>92 cm (36.2")</td> <td>205 cm (80.7")</td> <td>Approx. 580 kg (1,278 lbs)</td> </tr> <tr> <td>Wooden pallet</td> <td></td> <td></td> <td></td> <td>Approx. 30 kg (66 lbs)</td> </tr> <tr> <td>Outer packaging</td> <td></td> <td></td> <td></td> <td>Approx. 20 kg (44 lbs)</td> </tr> </tbody> </table>	Instrument	Length	Width	Height	Gross weight	Dako Omnis packed	156 cm (61.4")	92 cm (36.2")	205 cm (80.7")	Approx. 580 kg (1,278 lbs)	Wooden pallet				Approx. 30 kg (66 lbs)	Outer packaging				Approx. 20 kg (44 lbs)
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	<p><b>Electrical requirements/power</b></p> <p>The instrument supports both 115 V, 220 V and 230 V.            Power consumption: 1200 W per hour.</p>																				
	<p><b>External ventilation</b></p> <p>Not necessary.</p>																				
Technical data/Installation	<p><b>Water supply</b></p> <p>4 bottles of 7 L each.            DIW specifications:</p> <ul style="list-style-type: none"> <li>• Conductivity 0.5-1 uS/cm (Free of particles and air bubbles.)</li> </ul>																				
	<p><b>Waste/drain</b></p> <p>Waste separation between hazardous and non-hazardous waste.</p>																				
	<p><b>Waste capacity</b></p> <p>Non-hazardous: 4 x 7 L bottles.            Hazardous, all below limit values: 1 x 7 L bottle.            Average waste produced per slide:</p> <ul style="list-style-type: none"> <li>• 29 mL hazardous waste</li> <li>• 293 mL non-hazardous waste</li> <li>• 0.49 g of plastic waste</li> </ul>																				
	<p><b>Environmental conditions</b></p> <p>The Dako Omnis solution is intended for indoor use only. Dako Omnis requires an environment with an ambient temperature between 18-28 °C (64-82 °F), not facing direct sunlight, and normal operating humidity between 25-85% RH; non-condensing. Altitude: Up to 1000 m (3280,84 feet). Pollution degree 2. During transport, the instrument should be kept dry, at a temperature between 5-40 °C (41-104°F) and at a humidity between 10-90% RH; non-condensing.</p>																				
	<p><b>Noise level</b></p> <p>Noise level measurement per EN 61010-1 (safety requirements for electrical equipment for measurement, control, and laboratory use): 63.7 dBA, which is below recommendations for the permissible level. These can be different from country to country and are often in the range of 85-90 dBA.</p>																				
	<p><b>Heat generation</b></p> <p>Max theoretical heat generation is 4100 BTU.            Normal running conditions (full load) is 1500-3000 BTU.</p>																				
Service & Support	<p><b>Installation and service</b></p> <p>Deployment services ensure that your Dako Omnis solution is correctly installed and integrated into your lab's workflow. This includes:</p> <ul style="list-style-type: none"> <li>• Pre-site inspection</li> <li>• Installation</li> <li>• Connectivity and operational qualification</li> <li>• Instrument service including planned maintenance, corrective maintenance and software upgrades</li> </ul> <p>Application and technical support including protocol design, optimization, product training and demonstrations for optimal staining performance.</p> <p>Instrument service agreement extends the benefits from the standard instrument warranty to avoid unplanned expenses.</p>																				



# Dako Omnis Solution

Efficient, high-quality staining for IHC and IHS.

- Designed to run IHC single and double, IF and ISH slides simultaneously on the same instrument
- Batch or continuous loading to manage workload fluctuations
- Optimized, validated protocols developed in collaboration with leading pathology experts
- Plug-and-play solution with high-quality ready-to-use antibodies - confirmed by various EQA-schemes
- High sensitivity visualization systems, with low complexity
- Processes 165 IHC slides or 45 ISH slides during a work day
- Proven consistent staining quality
- DakoLink Omnis Software with LIS and LAN/WAN connectivity enables full lab integration
- Dedicated Service & Support provides fast, professional support when hands-on assistance is needed

## Trusted Answers. Together.



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