Dako Omnis.

A comprehensive IHC and ISH solution that is truly a generation ahead.
Proven results for diagnostic confidence.

Every day, our team interacts with pathology labs around the world. We understand the growing pressure to manage a lab environment that is constantly changing, without compromising the quality and accuracy of patient diagnoses.

Dako Omnis was developed in close collaboration with pathologists, lab managers and lab technicians, and was designed to help meet the ever-increasing challenges faced by the modern pathology lab. Today, Dako Omnis is used in more than 35 countries to process tens of millions of slides and provide labs with:

**More time** - To perform other tasks

**Greater choice** - Gives your lab flexibility

**Better patient care** - Enabled by a focus on quality

We are committed to keeping Dako Omnis a generation ahead, and have added many continuous improvements since its launch. The most recent upgrade was designed with the needs of our customers very much in focus, and includes a significant reduction in maintenance, a variety of new reporting options and several other new valuable features.

“Dako Omnis has made the workday easier and better for our technicians. We have been able to adjust to and cope with increases in our slide volumes because of Dako Omnis.”

David G. Hicks, M.D., Director of Surgical Pathology, University of Rochester Medical Center, Rochester, NY, USA
The Dako Omnis Solution:

**Dako Omnis**
IHC and ISH automated on the same platform, coupled with fully optimized and validated protocols, enables a fast turnaround time of patient cases and high-quality results.

**DakoLink Omnis software**
DakoLink Omnis software with LIS and LAN/WAN allows connectivity for full lab integration. Optimized and validated protocols control the total solution.

**FLEX Ready-to-Use reagents**
FLEX RTU antibodies and best-in-test EnVision FLEX/ FLEX+ visualization systems (1) are integrated and optimized in the Dako Omnis solution.

**FISH on Dako Omnis**
Integrate fast, high-quality FISH into an IHC workflow with minimal impact to IHC throughput.

Results for IHC and ISH:
- IHC
- IHC - double Staining
- FISH
- Immunofluorescence
Providing your lab more time, greater choice

**More time** - to perform other tasks

- Same-day IHC and ISH results provides faster turnaround time and better patient-case management.
- High IHC and ISH throughput. A lab tech can load up to 165 IHC slides or 45 ISH slides during the work day, including preparation for an overnight run.
- At the beginning of each work day, start pretreatment immediately before having to load antibodies.
- Load continuously as patient cases arrive in the lab, and get results every 50 minutes.
- Comprehensive set of reports to enable paperless documentation.

**Greater choice** - gives your lab flexibility

- Batch or continuous loading to manage fluctuations in workload.
- Load what is needed when it’s needed, with continuous access to reagents and bulk fluids.
- Real-time monitoring enables you to control your staining workflow anywhere, at anytime.
- Run simultaneous fully automated IHC, IF, FISH, double IHC and titration and each slide can have a unique combination of antibodies.

**Better patient care** - enabled by a focus on quality

- Ensure consistent staining results via temperature-controlled staining chamber.
- Full transparency of workflow in progress and full traceability of patient cases.
- Designed with a host of integrated quality control features that draw the user’s attention to prevent and track errors should they occur.
A generation ahead in IHC & ISH.
Providing your lab more time, greater choice and better patient care.

**Intuitive user interface**
Easy-to-use instrument software is operated through a touch screen, with individual user login to mitigate risk and improve traceability.

**True continuous loading instrument**
Add slides and reagents whenever you want or where it suits you.

**True patient-case management**
Six drawers with a five-slide rack enables choice of batch or continuous-slide loading for processing of complete patient cases in the same run.

**Dynamic gap staining**
Ensures full and even reagent coverage of the slide to deliver consistent staining slide after slide.

**60 onboard, temperature controlled reagents**
The unmatched capacity of onboard reagents eliminates the need to constantly switch reagents and provides optimal conditions for quality results.

**Onboard mixing of chromogen and substrate buffer**
Automatic chromogen mixing just prior to use reduces manual processes and ensures stability and consistency of staining results, while minimizing staff exposure to toxic reagents.

**Easy access to bulk fluids**
Provides bulk fluid capacity for a full working day to reduce manual interaction and maintenance procedures.

**Visual status alerts**
Visual cues allow you to monitor the instrument at a glance, and alert you when a user interaction is required.
Dako Omnis enables an efficient and stress-free lab, 24/7. "For us, Dako Omnis means more work done – faster, safer and with no stress. We easily save a day or two in each case, and over the weekend we save three or four days."

Dr. Bert Bier, Institute of Pathology Saarbrücken-Rastpfuhl, Saarbrücken, Germany

"Before, it was rather difficult to have the slides completed the same day that they were requested, but now it’s no problem."

Dr. Carmen Bellas, M.D., PhD., IHC Lead Pathologist, Hospital Universitario Puerta de Hierro, Madrid, Spain
Dako Omnis enables an efficient and stress-free lab, 24/7.

- **End of the day**: Load 60 IHC and ISH slides for overnight processing.
- **End of the week**: Load a full batch for processing over the weekend with option for delayed start.

At any time, even at full capacity, without waiting, compromising throughput or disturbing your workflow.

“We constantly feed the instruments and constantly get finished slides off. It’s really great, since it has flattened and ‘leaned out’ our workflow. I don’t think we could ever go back to how we did things before Dako Omnis. There’s much less stress now.”

Loralee McMahon, IHC Supervisor, University of Rochester Medical Center, Rochester, NY, USA

“Today, if a doctor brings us a rush case, we can get it on the instrument from cutting in 30 minutes,” said Ms. Ntapolias. “Before Dako Omnis, it would be around 3-4 hours before we could put a rush case on.”

Kathy Ntapolias, Lab Manager and Assistant Head of the Department of Pathology, Jewish General Hospital Montreal, Canada
Efficient, high-quality staining for IHC and ISH.

High-quality IHC staining made easy.
Certainty, consistency and high efficiency are essential to obtain IHC results you can trust.

Certainty
• Excellent antibody quality - confirmed by various EQA schemes
• Highly sensitive and specific antibodies for detection of both high and low expression tissue
• Visualization system with low complexity and very high sensitivity
• Minimized risk of false negatives or false positives with use of validated protocols and optimized reagents

Consistency
• Robust IHC assay that minimizes the effect of pre-analytical variation
• Same results slide after slide, due to reagent uniformity
• Optimized, validated protocols developed in collaboration with leading pathology experts

Efficiency
• Optimized workflow from protocol alignment
• Fully validated, plug-and-play solution, with antibodies that are ready for immediate use

The Dako FLEX RTU solution consists of three parts that work with the instrument to optimize your staining results:

FLEX RTU antibodies + EnVision FLEX visualization system + Validated protocols
Fast, high-quality FISH in your IHC Workflow.

Flexibility
Run FISH simultaneously with IHC
- Unlike competitor systems, Dako Omnis is designed to enable simultaneous FISH and IHC runs.
- FISH slides can be run with minimal impact to IHC throughput, as shown in the graph to the right.
- Run FISH whenever it’s needed, any day of the week, without impacting workflow.

Efficiency
IHC-like turnaround time
- The high-throughput Dako Omnis combined with the IQFISH Fast Hybridization Buffer enables an IHC-like turnaround time for FISH.
- IQFISH Fast Hybridization Buffer reduces hybridization to just 75 minutes, which enables a 4-hour turnaround time for FISH.

Define your FISH assay on Dako Omnis
Dako Omnis performs automated FISH staining on FFPE tissue sections. The solution supports FISH assays with IQFISH Fast Hybridization Buffer as well as creation of user-defined FISH protocols thereby facilitating fast, automated FISH staining on Dako Omnis.
A whole new level of lab control, anytime and from anywhere.

Dako Omnis integrates seamlessly with your laboratory network and Laboratory Information System, providing you full visibility of your entire staining operation.

**LEAN workflow**

Our broad and comprehensive LIS integration capabilities allow easy set up and exchange of data between LIS and Dako Omnis. This gives you complete data and staining transparency, enabling you to optimize performance and streamline workflow.

- **Save time** by sending your test request directly from LIS into the Dako Omnis software and eliminate the need for double data entry. Lab technicians can instantly see and handle the request from any Dako Omnis workstation in the lab.

- **Monitor in real time** with easy-to-use overview of staining processes and progress of patient cases. The software automatically sends messages to LIS when staining is completed (without manual interaction) so everyone knows when patient cases are complete and slides are ready for review.

- **Eliminate re-labelling.** All Dako instruments can directly read the unique identifier created in LIS so that you can use the same label throughout the whole workflow. Print labels when convenient for your workflow and from anywhere in your lab.

**Improved patient safety**

The integrated Dako Solution helps you reduce the risk of transcription errors and thereby minimize the risk of undetected case mix-ups.

Enter a test request directly in LIS, and it is transferred automatically to slide processing without loss of data or manual interactions, so you know that slides are always stained according to request and matching patient cases.
Agilent’s Premium Service and Support for Dako products.

When you need us, we will be there.

Agilent has a dedicated team of highly skilled and experienced service professionals ready to work with you to improve your laboratory workflow. We are committed to ensure that our customers feel confident in using our products by providing state-of-the-art service and support.

Our Service and Support offerings:

• **Deployment Services** including pre-site inspection, installation qualification, operational qualification and connectivity. Ensures that your Dako solutions are installed correctly and integrated into your lab’s workflow.

• **Instrument Services** including planned maintenance, corrective maintenance and software upgrades. Provides fast, professional support when hands-on assistance is needed.

• **Application and Technical Support** including protocol optimization, protocol design, product training and demonstrations for optimal protocols and staining performance.

• **Instrument Service Agreements** including basic, essential and comprehensive options. Extends the benefits from the standard instrument warranty and allows you to avoid unplanned expenses.
Keep your lab a step ahead.

We provide integrated solutions that are designed to meet your needs and help your lab deliver the correct results to the right patient every time. The entire range of complementary Dako products exemplifies our focus on providing trusted answers, together with our customers.

Reference