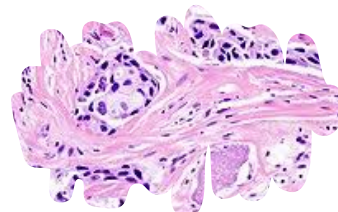




Pathology Digital Solutions

Integrated, open, end-to-end digital pathology and clinical decision solutions to enable better, more personalized healthcare.



IMPORTANCE OF DIGITAL PATHOLOGY TESTS

Pathology testing plays a crucial role in diagnosing and treating cancer. By analyzing tissue samples from biopsies, doctors can accurately identify the type of cancer, its level of invasiveness, and the stage of the disease. This information helps determine the appropriate treatment such as surgery, chemotherapy or radiation therapy. Pathology testing not only detects cancer at early stages but also provides insights into cellular changes during treatment, allowing for adjustments and evaluation of the treatment's effectiveness.

CAN EVEN MINOR TISSUE ABNORMALITIES BE DANGEROUS?

Yes, even minor changes in tissue structure can signal the early stages of diseases such as cancer or autoimmune disorders. Advanced staining techniques and molecular tests can help identify these changes at an early stage, enabling targeted treatments. Regular pathology tests should be conducted, especially in patients with symptoms or risk factors for tissue abnormalities.

PURPOSE AND ROLE OF PATHOLOGY

Pathological examination is considered the gold standard in diagnosing diseases, especially malignant diseases. Pathological examination is performed on cell and tissue samples from organs in the body biopsied during endoscopy, needle biopsy or during surgery.

APPLICATIONS OF DIGITAL PATHOLOGY TESTING

Pathological testing is widely used in medicine to:

- Screening and early detection of cancer
- Diagnose the exact nature of the injury
- Prognosis and staging of malignant tumors
- Provide tissue samples for genetic analysis
- Scientific research
- Determine the extent of tumor invasion
- Find the right surgery and treatment direction

Pathological testing should be performed when:

- When customers come for a general health check (screening for early cancer detection)
- When a customer comes for a colonoscopy....a biopsy is performed
- When customers come in for surgery, procedures for tumors and suspected lesions are performed
- Perform pathology tests when customers undergo oncology treatment

Pathology Digital Solutions

VENTANA DP 600 Digital Pathology Scanner

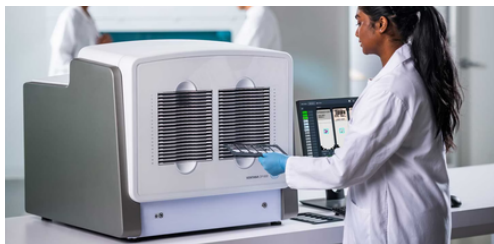
Workflow flexibility meets high capacity slide scanning



Advance Your Digital pathology Workflow With The VENTANA DP 600

The VENTANA DP 600 slide scanner is a significant addition to the Roche Digital Pathology portfolio as it will enable pathology laboratories to perform high volume and high quality scanning necessary for full digitisation of their pathology workflow with Roche as the partner of choice.

As intuitive as it is innovative



High capacity scanner maximises walkaway time

Lean workflow through automatic start and continuous loading of up to 40 trays of to keep up with slide volume without interrupting scanning.



Ease of use and workflow flexibility

Intuitive design and minimalistic user-interface streamline workflows while configurable options meet specific laboratory needs.



High image quality and reliable performance

The tray-based system eliminates slide-handling errors such as breakage and loss of slides, and improves reliability. Dynamic focus technology and innovative optics create high quality images with color reproduction that maps to glass slides as seen under microscopes.

Pathology Digital Solutions

Test Information

STT	Code	Test Item	Specimen (mL)	TAT	Test method
1	W536	Paraffin blocks 1~2	Paraffin block Unstained slide	8 days	H& E stain (hematoxylin and eosin stain)
2	W537	Paraffin blocks 3~5	Paraffin block Unstained slide	8 days	H& E stain (hematoxylin and eosin stain)
3	W538	Paraffin blocks 6~10	Paraffin block Unstained slide	8 days	H& E stain (hematoxylin and eosin stain)
4	W539	Paraffin blocks 11 or more	Paraffin block Unstained slide	8 days	H& E stain (hematoxylin and eosin stain)
	W544	Special stain	Paraffin block Unstained slide	8 days	Special stain
5	W545	Immunohistochemical stain	Paraffin block Unstained slide	8 days	Immunohistochemical stain
6	W546	ALK FISH	Paraffin block Unstained slide	8 days	FISH (Fluorescence in situ hybridization)
7	W547	HER2 FISH	Paraffin block Unstained slide	8 days	FISH (Fluorescence in situ hybridization)
8	W548	MDM2 FISH	Paraffin block Unstained slide	8 days	FISH (Fluorescence in situ hybridization)

Digital Pathology

- Provides primary report or second opinion under Digital pathology consultation

Overseas partner



GC Labs

- DP 600 Slide Scanner

If the overseas partner company is equipped with ROCHE equipment, they can request image transmission through the software

GC Labs will then handle the process of reading and transmitting the results