Growth in molecular diagnostics is being fueled by the continued discovery of genetic markers with proven clinical utility and the increasing adoption and reimbursement of genetic-based diagnostic tests and programs. To cost-effectively meet these growing demands, molecular diagnostic labs need a laboratory information system (LIS) designed to meet their unique automation and data requirements.

XIFIN LIS for molecular diagnostics provides a flexible and intuitive cloud-based workflow management system to support the operations of anatomic pathology and molecular laboratories. Architected for interoperability, the integrated molecular workflow module can be used as an end-to-end solution or integrated with other systems.

**Configurable Workflow Management**
- Includes configurable modality-specific workflows with automated test reflexing
- Provides real-time workflow visibility including concurrent cases and color-coding for turnaround time monitoring
- Delivers flexible batch workflow with technical workflow steps and quality control
- Incorporates wet lab support, including configurable lab procedures, reagent and control management, plate-mapping, and audit trails
- Enables project setup and management for clinical trials

**Flexible Image and Data Management**
- Enables tailored input screens to capture unique data elements for case-specific reporting requirements
- Lets lab technologists and other administrators define required data elements from pre-configured components
- Facilitates single sign-on integration with BioView and other FISH imaging platforms
- Integrates artificial intelligence (AI) analytics platforms for seamless importing into configured LIS data elements
- Includes supporting clinical documentation integration to aid reimbursement appeals

**TCPC Partnerships**
- Drives new revenue opportunities leveraging existing lab resources
- Cloud-based deployment enables streamlined TCPC workflow
- Delivers rapid client and report setup for physician partners
The score and the probability of favorable clinical outcome in terms of Event-Free Survival (EFS) and Overall Survival (OS) are derived from mathematical models using microarray technology and multivariate analysis of several large cohorts of patients with over an 8-year continuous follow-up.

A score of less than 45.2 indicates that a newly diagnosed patient has a 73% probability of being recurrence-free at 5 years.1 Additionally, the patient has a high probability of having an unfavorable prognosis.

1 - Risk Score is an independent predictor of outcome endpoints such as event free survival (EFS) and overall survival (OS) in multivariate analysis that involved comparisons of low vs high risk patients.

Equivocal 2-3 cells showing gains for 2 or more chromosomes (3,7,17) in the same cell

The UTC Kit is designed to detect aneuploidy for chromosomes 3, 7, 17 by FISH in urine specimens from persons with hematuria and not completely exclude the presence of tumor cells in this sample, as there may be some urothelial carcinomas for which a genetic enumeration. A morphometric analysis is performed using a Metasystems™ image analysis system.

Methodology:
The UTC Kit was designed to detect chromosome abnormalities associated with urothelial carcinoma, a negative result does not exclude the presence of tumor cells in this sample. The UTC Kit is intended for research use only and not for diagnostic or other human specimens. The UTC Kit results are intended for use, in conjunction with, but not in lieu of, current standard diagnostic procedures, as an aid for the detection of urothelial carcinoma.

Dynamic Reporting
- Automates uploading of results directly from devices and from analysis software
- Provides dynamic, logic-driven reports with images, graphs and tables
- Delivers comprehensive summary reporting
- Includes batch resulting

Connectivity and Interoperability
- Interfaces via open API with instruments and analytics platforms
- Streamlines image uploading and selection for inclusion in patient reporting
- Efficiently provides results to EHRs by interfacing with middleware solutions such as LKTransfer as well as custom-built analytics and software solutions
- Streamlines integration with XIFIN RPM and other billing platforms

Customizable reports are branded for your laboratory and synthesize and display a host of information, including multi-modal tests, graphical charts, and calculated probable outcome scores.

For more information, visit www.XIFIN.com/LIS