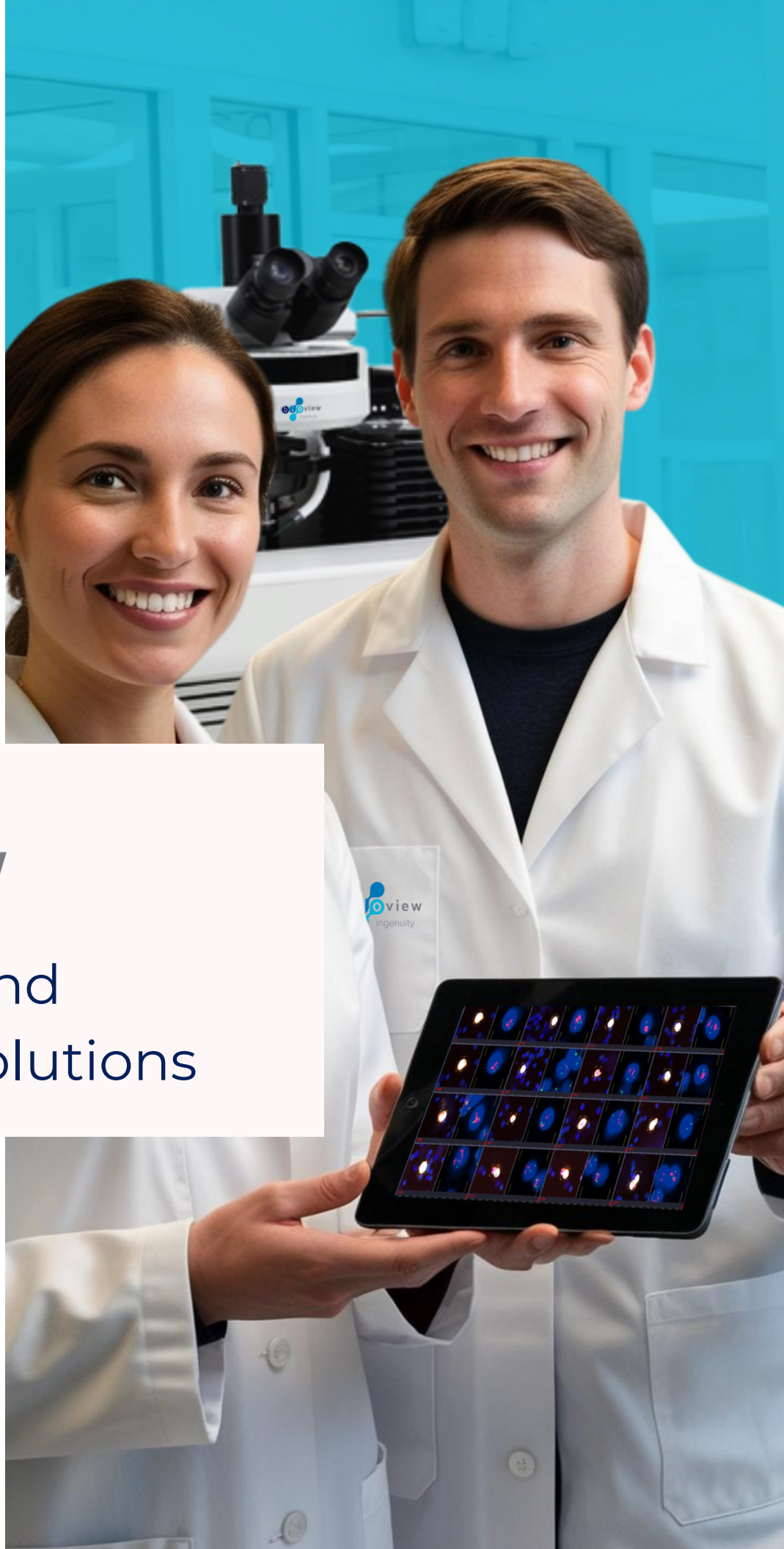




Imaging and
Analysis Solutions





BioView's automated imaging and analysis platforms are designed to seamlessly ease the analysis and reporting processes and reduce turnaround time for labor-intensive tests performed by cytogenetic, pathology, and cytology laboratories.

BioView's wide portfolio of automated platforms ensures proper fit for laboratory needs by providing solutions for various sample volumes and automation level requirements, including manual, semi-automated, and fully unattended scanning solutions.

BioView's commitment to continuously meet market trends for new emerging tests, implementing state of the art imaging and optical solutions, and simultaneously maintaining optimal workflow , reinforces its position as the industry market leader.



Versatility

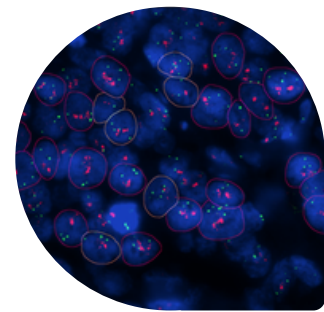
BioView's platforms offer both clinical and research use imaging and analysis solutions for cytogenetic, oncology and pathology laboratories. Platforms are tailored to meet present customer needs, with optional expansion of applications as well as hardware modules at a later time as the laboratory its workloads tests menus grows.

Pathology

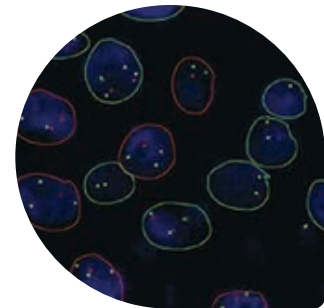
FISH

Rapid scan and analysis of tissue sections hybridized with FISH probes as well as matching between parallel tissue sections for targeted analysis.

- Breast
- Lung
- Prostate
- Brain
- Esophagus
- Stomach
- Cervical
- Skin
- TMA
- Digital Pathology



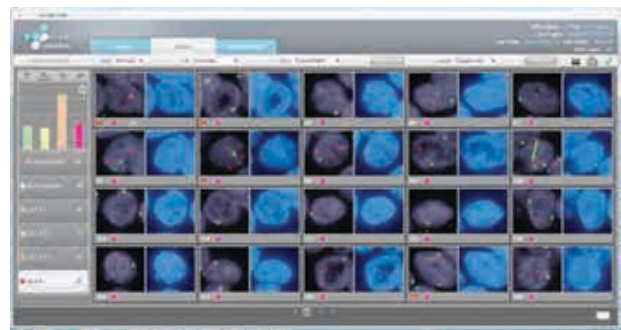
Breast tissue hybridized with PathVysion™ FISH probe (Abbott Molecular Inc.)



Lung tissue hybridized with ALK break-apart FISH probe (Abbott Molecular Inc.)



Pathologist selection of region of interest for FISH analysis performed using BioView's Soloweb application



Web review and analysis of hybridized tissue section

Circulating tumor cells detection

All-in-one automated platforms for rapid detection, capture and characterization of rare cells from peripheral blood.

Powered by AI deep learning and state-of-the-art imaging algorithms, the platform seamlessly integrates with any liquid biopsy assay. Its sophisticated analysis algorithms automatically detect and characterize cells regardless of the cell enrichment method or biomarker used, transforming what was once a manual process into a high-throughput automated workflow.

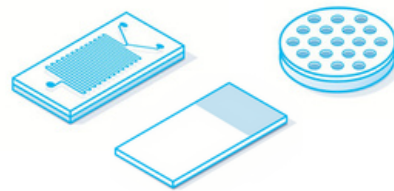
Test utilization:

- Lung
- Prostate
- Esophagus
- SKin
- Breast
- Colorectal
- Brain
- Liver



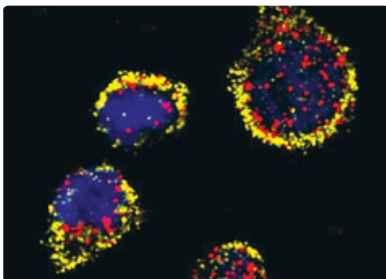
Custom-fitted to various microfluidic chip and cell filtration devices

Designed to support automated imaging of various enrichment techniques independent of specific geometric patterns, 3D structures, and materials.

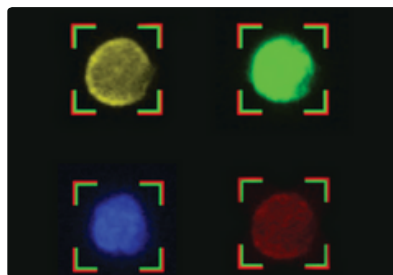


Fully adaptable to all fluorescent markers

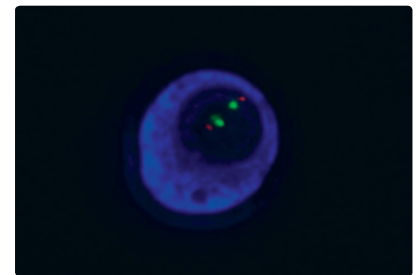
Supports imaging & analysis of any combination of fluorescent markers, Proteins / RNA / DNA FISH, simultaneously or consecutively hybridized.



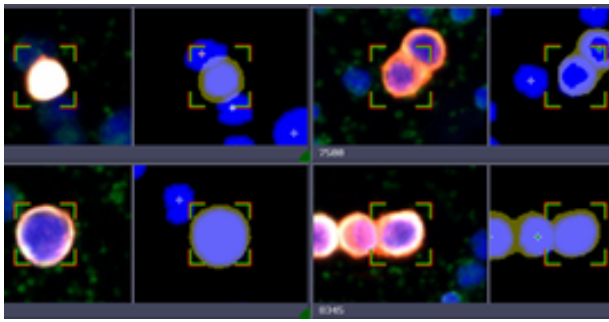
CTC hybridized with mRNA FISH probes



CTC hybridized with DAPI, FITC, Texas Red and APC fluorophores



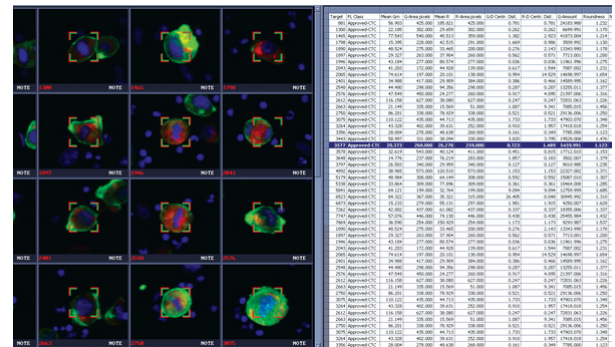
CTC co-hybridized with immuno fluorescent antinody and FISH



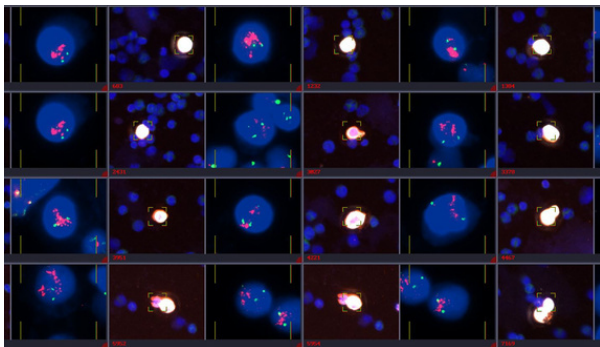
Automated Nuclei and cytoplasm measurements.

CTC characterization

The combined AI algorithms and biometric data allows forming assay specific CTC gating criteria as well as assist in assay development. Biometric Data can be seamlessly exported to Excel spread sheet.



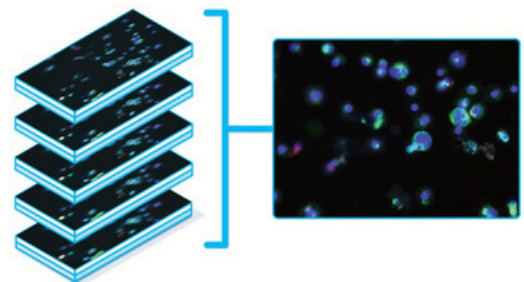
CTC automatically detected and characterized.



Side by side images of same cells presents CTC expressing IF markers and amplified HER2 FISH signal patterns.

High throughput

Combination of best of class optics and unique imaging algorithms specifically tailored to facilitate rapid 3D capture of all cells within the sample.



Multiple focal layer auto-captured.

Automated CTC detection

Cells are sorted and classified by combining advanced AI algorithms with fully adjustable gating criteria including morphology and signal attributes, ensuring precise detection of rare cell events within a sample while maintaining high specificity.

Multiplex imaging

Utilizing the system automated cell relocation and capture, allows analysis of multiple biomarkers stained and imaged in consecutive sessions.

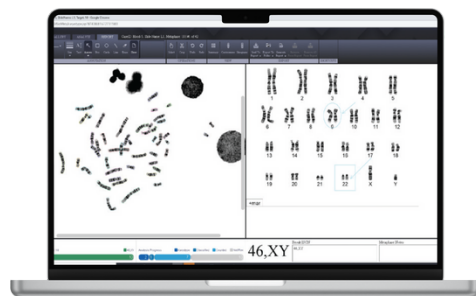
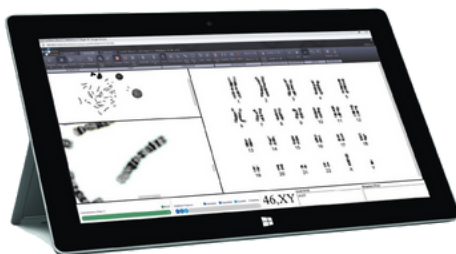
Cytogenetics

Introducing streamlined, reliable, and technologically advanced Karyotype and FISH applications that ensure unparalleled precision and ease of use, tailored to your laboratory workflow. Offering cutting-edge AI-based analysis, innovative features and tools specifically designed to simplify and expedite case review and reporting. With various solutions fitted to the laboratory sample volume, desired automation-level, and integrated web application for both local and remote use, BioView's cytogenetics suite is the ideal solution for your laboratory needs.



Karyotyping AI

- AI algorithms for metaphase detection, segmentation and classification
- Customized multiple workflow support for sample type and quality
- Powerful band enhancement tools support all commercially available FISH probes
- Ideogram editor with automatic ISCN formula generation
- Interactive Ideogram for different resolutions, based on the latest ISCN guidelines
- Fully featured karyotype web application

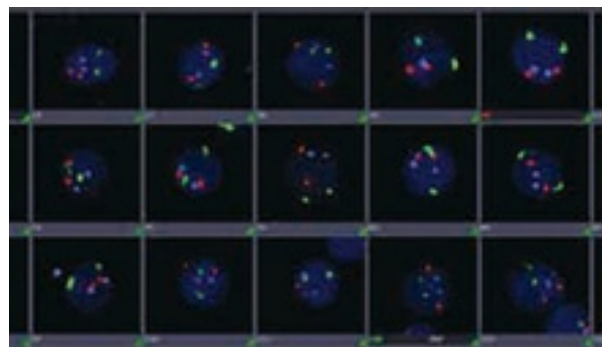


FISH

Hematology

Rapid scan and analysis of bone-marrow, blood and lymph section hybridized with any FISH probe

- Bone marrow
- Blood
- Lymph sections

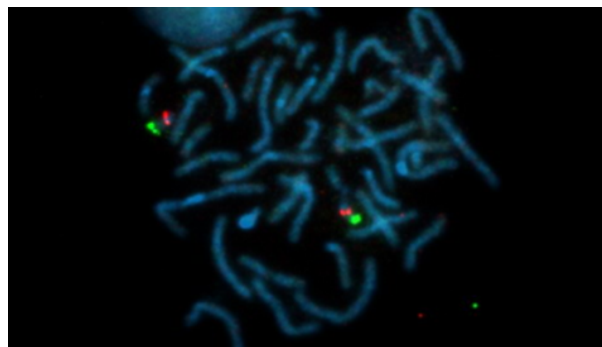


Blood sample hybridized with FISH probes

Prenatal

Rapid scan and analysis of amniotic cells hybridized with X,Y,18, 13, 21 FISH probes

- Amniotic cells
- Sperm cells

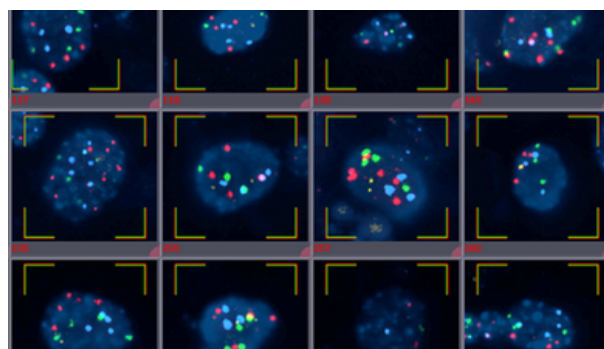


Amniotic cells hybridized with AneuVysion™ FISH probe (Abbott Molecular Inc.)

Cytology

Rapid scan and analysis of cells from cytological samples hybridized with any FISH probe

- Bladder
- Cervical



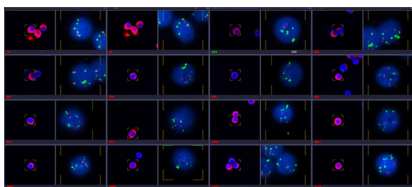
Urine sample hybridized with FISH UroVysion™ probe (Abbott Molecular Inc.)

Target - FISH

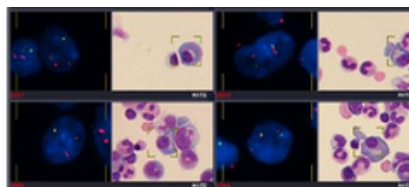
Analysis of multiple stains/ markers of the same cell such as Giemsa + FISH, IHC + FISH, IFL +FISH. The platform performs unassisted relocation, automated FISH imaging and analysis of confirmed cells using advanced cell pattern matching algorithms. Same cells are presented side by side , for example, Giemsa stained Plasma cells next to their respective FISH stained image.

Utilities

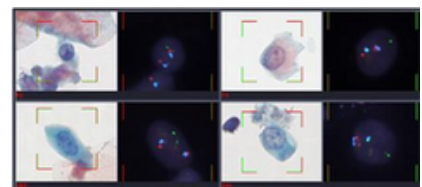
- Enrichment of plasma cells for FISH analysis in multiple myeloma cases
- Enrichment of urothelial cells from urine samples for targeted FISH analysis
- Enrichment of lung cells from pleural effusion samples for targeted FISH analysis
- Enrichment of abnormal cervical cells from Pap tests for targeted FISH analysis
- Targeting circulating tumor cells for FISH analysis
- Perform consecutive FISH multiplex staining on the same cells
- Minimal residual disease follow up
- Determination of the lineage of cells carrying the chromosomal aberration



Circulating tumor cells consecutively hybridized with PD-L1 IF and 3p-10q FISH probes.



AI-detected Giemsa-stained plasma cells consecutively hybridized with BCR-ABL FISH probe.



Lung cells isolated from sputum consecutively stained with Papanicolaou and FISH probes.

Productivity

BioView's platforms enable walk-away operation with minimal user intervention, maximizing scan throughput and reducing turnaround time. The systems seamlessly scan samples in a single batch by automatically recognizing the required scanning program encoded in each slide's barcode label.

With a range of system configurations, BioView provides an optimal fit for laboratory test menu, samples volume, and budget.

Accord

Single-slide stage



Accord-Plus

Single-slide motorized stage



Allegro-Plus

8 slide motorized stage



Duet-3

50-slide loader



Encore

60 / 120-slide loader



In the USA, The Duet™ system is intended for in-vitro diagnostic use as an aid to the pathologist in the analysis of Hematopoietic, Amnio, UroVysion, ALK and HER2/neu FISH.

In the EU and Canada, The Duet™ system is intended for in-vitro diagnostic use as an aiding tool to the pathologist in the detection, classification and counting of cells of interests based on color, intensity, size, pattern and shape. It is the end user responsibility to validate the use in combination of the Duet system with commercial reagents and materials for a specific clinical application. The Duet system is for professional use only.

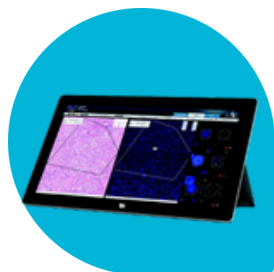
Local and remote analysis

BioView's renowned Solo™ family of satellite workstations is designed for seamless on-screen, local, and remote review, analysis, and reporting. The Solo product line includes Solo offline workstations, Solo-Touch workstations optimized for personal touch screen monitors, the Solo Server - an RDP based multi-user hub, and SoloWeb - a web-based solution for review, analysis, and reporting. Together, these solutions enhance efficiency, introduce mobility, and support flexible workflow and analysis schemes.



Solo and Solo-Touch Workstation

- Standalone review and analysis workstation powered by BioView's Solo software
- Solo software installs seamlessly on customer-provided computers



SoloWeb

- Operated using standard web-browsers
- No software or plugin installation required
- Citrix free solution - no need for expensive server setup
- Minimal use of local IT department resources during setup
- Enhanced security with advanced access control and authentication policies
- Data encryption protection for secured connection
- Scalable for Up to 10 concurrent local or remote sessions
- Unlimited registered user accounts



Solo server

- The Solo Server supports physical or virtual setup, allowing scalability for multiple users' analysis and report
- Unlimited registered user accounts

Supervisor and workflow control tools

Optimize your laboratory workflow with powerful management dashboards enhancing supervisors' ability to efficiently monitor case analysis progress. Access real-time workflow summaries and status updates from any computer via a standard web browser.

Flexible report generation & dynamic customization

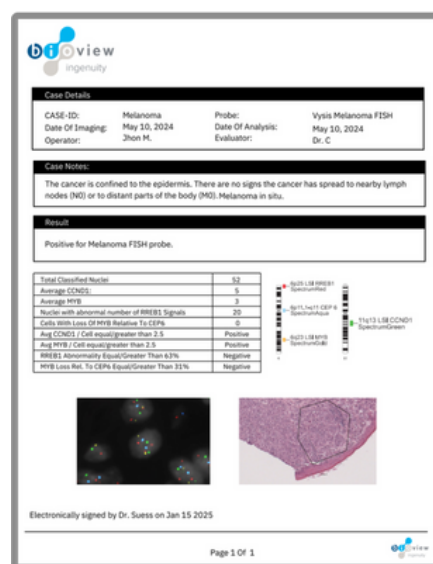
Dynamic architecture design report solution enables laboratories to generate flexible, clear, customized reports of analysis results. Meeting the specific needs of any institution and latest reporting guidelines



Dashboard displaying BioView workstations status, case workflow, and operator performance metrics.

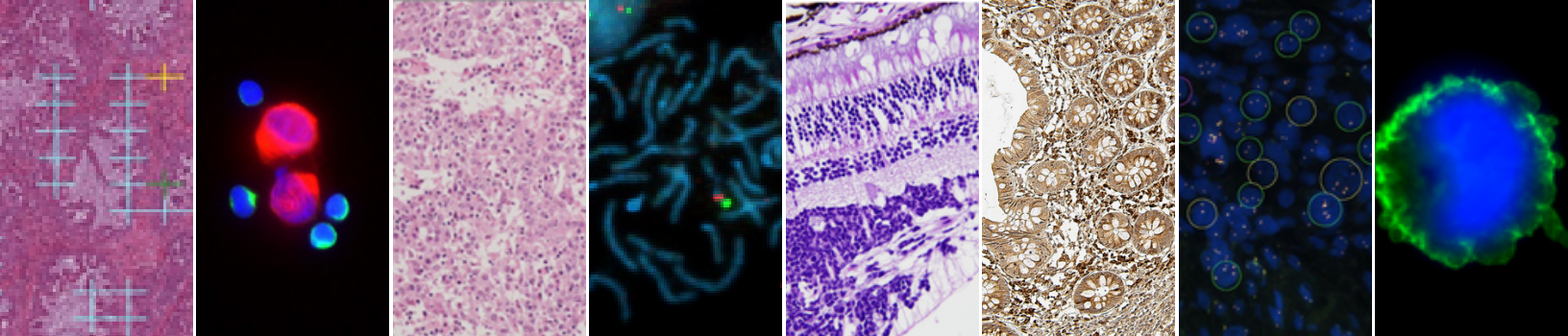
Key features

- Customizable fields for patient analysis results, and interpretations
- Custom header and footer design
- Adjustable image placement and sizing
- Customizable tables
- Dynamic field insertion
- Support for multiple language outputs



Integration with laboratory information systems (LIS)

- Multiple output formats: PDF, CSV, XML.
- HL7 communication protocol support
- Automated bi-directional data communication with a centralized laboratory database
- The “Direct link to the case” feature allows integration of BioView SoloWeb with LIS



About BioView

BioView develops, manufactures and supplies cell imaging equipment and software to commercial laboratories, medical institutions and universities. The Company mission is to become the leader in the laboratory equipment market for cancer screening and monitoring by automating microscopy testing, increasing laboratory productivity, reducing the rate of false-positive results, and enabling physicians and researchers to make more accurate and earlier patient assessments. BioView Ltd. is a publicly traded company on the Tel Aviv Stock Exchange.



Service, Support and Training

BioView is committed to ensure that our customers get the maximum from our system solutions. Our customer support team consists of highly trained engineers, biologists, software specialists and technicians dedicated to providing timely support around the clock. Our customer trainers will ensure that your staff will achieve the best results in a short time period. For additional information on BioView products and service programs, contact your local BioView representative.

Contact your local sales representative for more details

Americas

Tel: +1 978 670 4741
sales-usa@bioview.com

International

Tel: +972 54 660 4003
sales-row@bioview.co.il