

Bladder Cancer Screening

The first non-invasive, highly accurate detection method which will help make bladder cancer detection and screening more appealing for patients.

Increased Accuracy and Efficiency

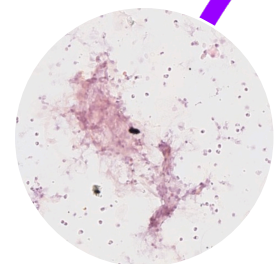
Techcyte's human bladder cancer screening solution is being developed to be a revolutionary screening tool that helps Pathologists read urine slides in less time and more accurately using an AI-based algorithm trained to detect ICC positive cancer cells.

Current Methods

- ✓ Expensive, painful, and invasive quarterly biopsy
- ✓ Eye strain, fatigue, distractions
- ✓ Human error
- ✓ Intense workloads and operator biases

Techcyte Solution

- ✓ Totally non-invasive sample collection
- ✓ Relevant images presented for review
- ✓ AI doesn't get overworked or tired
- ✓ Better working conditions



How it Works

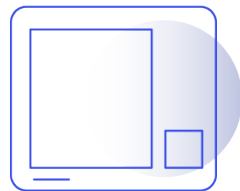
Our bladder cancer screening software coupled with Cytobay's proprietary stain analyzes urine samples to identify ICC positive low grade, high grade, and other diagnostically significant cells. We support the Hamamatsu s360 scanner.

The results are then presented to a trained technologist for review. When an atypical cell is identified, the slide is manually reviewed using a microscope.

Our 4-Step Process



Create Slides



Scan Slides



AI Analysis

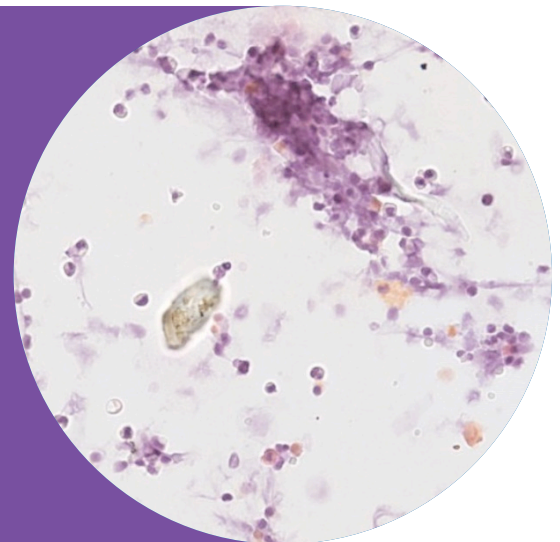


Cytologist Reviews

Organisms We Look For

- ICC Positive
 - High grade urothelial carcinoma
 - Low grade urothelial carcinoma
- Squamous Cells
- Uroepithelial Cells
- Total Squamous cell count

*these have not been examined by the FDA



Compliance



Features

- State-of-the-art clinical pathology AI platform
- AI-proposed images of ICC positive low and high grade cells, grouped by class and sorted by confidence
- No daily cycle of fatigue, distraction, or confirmation bias
- High volume, high reliability scanners produce 40x equivalent digital images



Benefits

- ✓ Noninvasive, pain-free, and inexpensive
- ✓ Improved accuracy and efficiency
- ✓ Will help screen for the presence of ICC positive cell
- ✓ More time available for analyzing positive cases
- ✓ Reduced technologist stress and fatigue
- ✓ Improved hiring, training, and retention of lab personnel
- ✓ Our open API allows for easy integration to LIS

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**Questions? Interested in a demo?
Contact us today. We'd love to talk.**

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