



ThinPrep[®]
P A P T E S T

TRUST IN THE VIAL

THE PREFERRED CHOICE

in Pap Testing

- ▶ The ThinPrep® Pap test was **the first** liquid-based cytology option in cervical cancer screening. In more than two decades, the ThinPrep Pap test has contributed to a significant decline in cervical cancer rates.^{1,2}
- ▶ More than **80%** of Pap tests in the U.S. are performed with ThinPrep, with more than **650 million** tests performed globally so far.³
- ▶ **90%** of the Top 50 U.S. Best Hospitals for Gynecology trust the ThinPrep Pap test.^{3,4}

Versatility in Out-of-the-Vial Testing

The ThinPrep Pap test is **the only** liquid-based Pap test FDA-approved/cleared for HPV, chlamydia/gonorrhea and trichomoniasis testing out of the same vial.^{1,5}

Aptima® HPV assay

Aptima® HPV 16 18/45 Genotype assay

Aptima Combo 2® assay for CT/NG

Aptima® Trichomonas vaginalis assay

Cervista® HPV HR assay

Cervista® HPV 16/18 assay

cobas® HPV assay

cobas® 4800 CT/NG test

digene® HC2 HPV DNA test

ProbeTec™ CT/GC Qx Amplified DNA assays

Confidence
in results without
the need for
self-validation



Testing out of the ThinPrep vial requires no cumbersome pre-treatment steps for **simpler workflow**.^{1,5}

Explore an array of instrumentation that meets the demands of your lab's workflow.



THINPREP 2000
PROCESSOR⁶



THINPREP 5000
PROCESSOR⁷



THINPREP 5000
AUTOLOADER⁸

	THINPREP 2000 PROCESSOR ⁶	THINPREP 5000 PROCESSOR ⁷	THINPREP 5000 AUTOLOADER ⁸
Key Benefits	Throughput Versatility Minimize turnaround time in compact work cells.	Automation Freedom Small batch processor with automatic slide/vial matching. Gives operators flexibility in walkaway time.	Maximum Efficiency Large batch processor with automatic slide etching. Minimizes hands-on time and maximizes flexibility in walkaway time.
Number of Samples Processed at Once	1	≤ 20	≤ 160
Barcode Reading	—	1D, 2D, 7/7 OCR	1D, 2D, 7/7 OCR
Barcode Etching	—	—	✓
Slide Output	Single Slides	20-Slide Stainer Racks	20-Slide Stainer Racks
Maximum Walkaway Time	—	Up to 45 Minutes	Up to 8 Hours
Automation	—	Decaps and Processes Automatically	Decaps and Processes Automatically
Process Gyn or Non-Gyn Samples	✓	✓	✓
Chain-of-Custody Verification	—	Vial/Slide Label Matching	Vial/Slide Label Matching or Slide Etching

ThinPrep Imaging Raises the Bar

As cells progress from normal to abnormal, their nuclei become larger and darker. Imaging identifies 22 fields of view with the largest, darkest objects and directs cytotechnologists to examine them.⁹

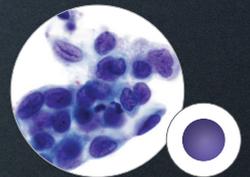
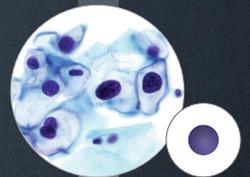
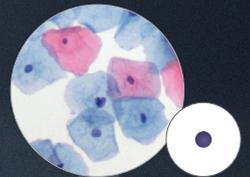


THINPREP IMAGER DUO⁹



THINPREP REVIEW SCOPE MANUAL PLUS¹⁰

NORMAL



ABNORMAL

Key Benefits

Powerful Pre-Scanning

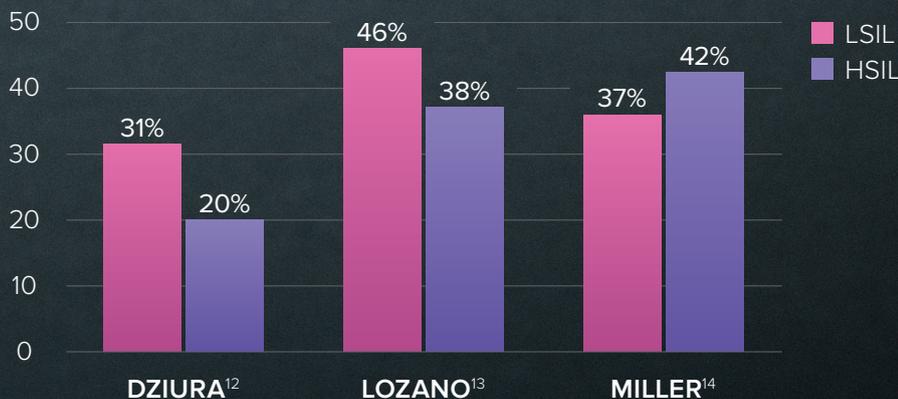
Pre-scans ThinPrep slides to identify coordinates of areas of interest.

Targeted Focus + Manual Review

Automatically guides reviewer to pre-identified areas of interest.

- More than 75% of ThinPrep Pap tests are imaged.³
- Imaging reduces turnaround time and improves disease detection over non-imaged slides.¹¹
- Increased sensitivity over manually reviewed ThinPrep Pap test slides.^{11*}
- Reduced false-negatives.^{11*}
- Improved standardization at each stage of sample processing.¹¹

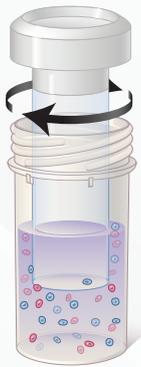
Independent Studies Have Shown Increased Lesion Detection Rates Versus Manually Screened Slides



* The Imager clinical trial results showed a statistically significant increase in ASCUS+ sensitivity of 6.4% [95% CI: 2.6-10.0] and a reduction in false negative rates (based on ASCUS+ sensitivity). The unsatisfactory rate was not evaluated for statistical significance, but a decrease was observed.

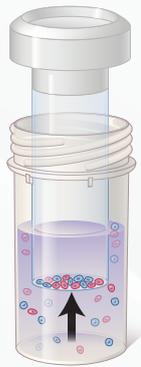
Consistent, Reliable and Streamlined

ThinPrep® processors utilize proprietary membrane transfer technology, which enables rapid sample processing requiring minimal consumables, training and hands-on labor.⁶



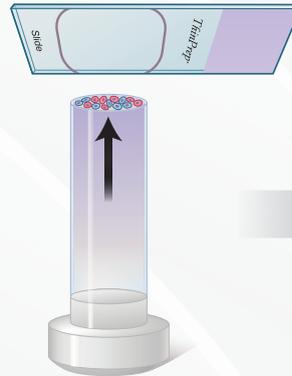
1. Dispersion

The ThinPrep filter rotates within the sample vial to create currents, which separate mucus and debris from cells while preserving their integrity.



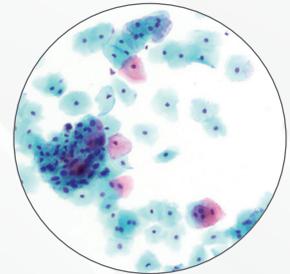
2. Cell Collection

A vacuum in the filter gently suctions cells, collecting them on a membrane ensuring all cells are sampled equally.



3. Cell Transfer

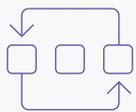
The membrane is pressed against a ThinPrep slide. Computer-controlled mechanical positioning and positive air pressure cause cells to promptly fixate.



4. Clear Results

The resulting slide provides a clear representation of sample cells, cleared from obscuring elements for ease of visualization.

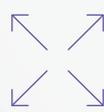
The Right Setup for Optimal Efficiency



Choose instruments and configurations that best suit your testing volume.



Options to maximize walkaway time and give staff the freedom to do more.



Adjust your instrument configuration as your throughput needs change.



Intuitive, user friendly instruments require minimal training.



Reduce the risk of human error with chain-of-custody verification and minimal sample handling.



Compact instrument footprints free up space in your lab.



Process Gyn or Non-Gyn samples on the same instrument with ease.

Committed to a Successful Partnership

Our dedicated team provides support for your ThinPrep® system at every step of our partnership. Phone and field-based resources streamline setup, training and continued maintenance to help ensure your lab runs as smoothly as possible.



Technical Phone Support

Technical troubleshooting by phone pinpoints complications and helps you resolve issues remotely.



On-site Service

Industry-leading, on-site Field Service teams provide expert instrument installation, moves and service in your lab.



Customer Care Calls

On-site visits by a Cytology Application Specialist to review workflow and results and offer education upon request.



Preventive Maintenance

On-site, prescheduled preventive maintenance helps keep your lab running smoothly.



Lean Specialists

6 Sigma black belts optimize workflow in your lab for both cytology and molecular diagnostics.



Educational Resources

A variety of online and other educational tools help keep you up-to-date. Visit Cytologystuff.com to learn more.

References: **1.** ThinPrep 2000 System [package insert]. MAN-02060-002 Rev. 001. Marlborough, MA: Hologic, Inc.; 2011. **2.** National Cancer Institute. SEER Stat Fact Sheets: Cervix Uteri Cancer. <http://seer.cancer.gov/statfacts/html/cervix.html>. Published 2016. Accessed May 25, 2017. **3.** Hologic, Inc. Data on File. **4.** *US News & World Report*. Best Hospitals for Adult Gynecology. <http://health.usnews.com/best-hospitals/rankings/gynecology>. Published 2016. Accessed May 25, 2017. **5.** PrepStain System [product insert]. 779-07085-00, Rev. F. Burlington, NC: TriPath Imaging, Inc.; 2011. **6.** ThinPrep 2000 [operator's manual]. MAN-02585-001, Rev. 005. Marlborough, MA: Hologic, Inc.; 2014. **7.** ThinPrep 5000 Processor [operator's manual]. MAN-02203-001, Rev. 002. Marlborough, MA: Hologic, Inc.; 2016. **8.** ThinPrep 5000 Autoloader [operator's manual]. MAN-02574-001, Rev. 001. Marlborough, MA: Hologic, Inc.; 2016. **9.** ThinPrep Imager Duo Imaging Station [operator's manual]. MAN-03133-001. Marlborough, MA: Hologic, Inc.; 2015. **10.** ThinPrep Review Scope Manual+ [operator's manual]. MAN-03351-001. Marlborough, MA: Hologic, Inc.; 2015. **11.** ThinPrep Imaging System [package insert]. 86093-001. Marlborough, MA: Hologic, Inc.; 2009. **12.** Dziura B, et al. Performance of an imaging system vs. manual screening in the detection of squamous intra epithelial lesions of the uterine cervix. *Acta Cytol.* 2006;50(3):309-11. **13.** Lozano R. Comparison of computer-assisted and manual screening of cervical cytology. *Gynecol Oncol.* 2007;104(1):134-8. **14.** Miller FS, et al. Implementation of the ThinPrep imaging system in a high-volume metropolitan laboratory. *Diagn Cytopathol.* 2007;35(4):213-7.

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