applied Spectral Imaging
Bringing the Details to Light

ASI-News

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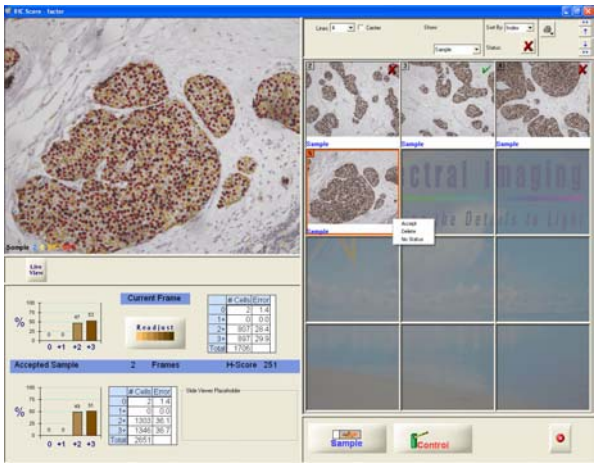
PathEx Product Line Launched

Diagnostic Imaging and Information System for Pathology Labs

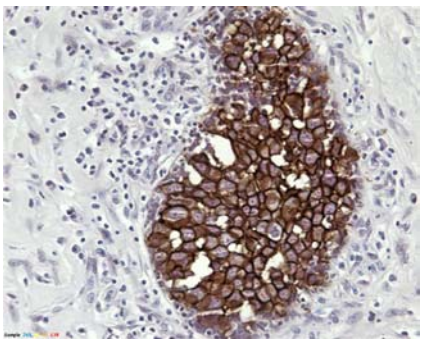
ASI is pleased to announce its launch of the new **PathEx 5.5** suite for Pathology. ASI offers a complete digital system that is low-in-cost and flexible enough to complement the routine of most pathology labs. The healthcare pathology marketplace is poised for dramatic change in the coming years, prompted by a convergence of technology that is making digital pathology a practical alternative to traditional microscopy in numerous situations. Initially, the role of digital pathology is likely to augment traditional microscopy, rather than replace it. However, digital pathology's superior viewing and analysis capabilities, combined with the increased portability of images, will gradually increase its adoption.

PathEx, Applied Spectral Imaging suite of diagnostic tools for expert pathologists, brings computer aided technology into a new era of ease and precision. **PathEx** tools are designed to assist the pathologists in their everyday tasks, from laboratory information management through to the determination of diagnostic parameters, concluding with the final report, its review, confirmation and transfer to other organization departments.



Designed for pathologists, the **PathEx** product line combines a powerful database, high resolution imaging, and robust analysis tools for IHC scoring, tuberculosis detection, cytology screening, and cellularity calculation.

IHC-Scorer for automatically scoring immunohistochemically stained tissues for both membrane and nucleus antibodies to save time and tedium. IHC-Scorer offers high resolution analysis of membrane and nucleus stained samples for a comprehensive diagnosis of the tumor tissue.



Contact ASI
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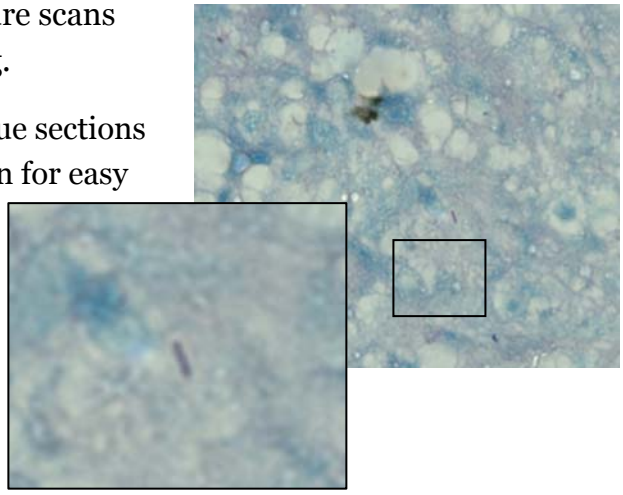
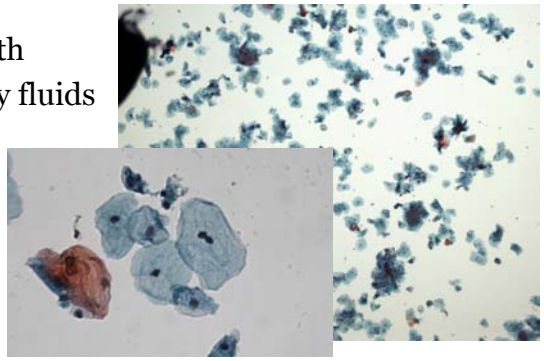
TB-Finder for conducting tissue and sputum culture scans for *tuberculosis bacilli* under Ziehl-Nielsen staining.

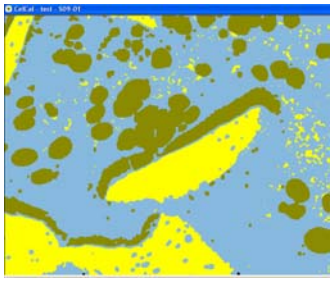


The ASI **TB Finder** allows the user to both scan tissue sections automatically and get assistance in manual inspection for easy identification. TB-bacilli candidates are conveniently displayed on a gallery, and a on the slide map, along with the tissue image. The user may re-visit the candidates, change objectives, focal plane and condenser aperture. Thus users may corroborate the TB-Finder findings and get the impression of the surrounding tissue condition.

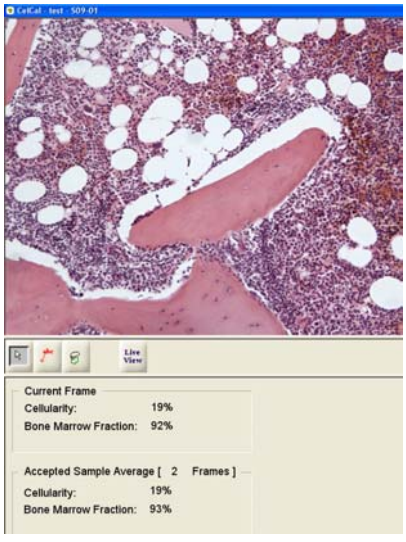
Cytology Evaluator which uses IHC staining combined with morphological parameters to more accurately screen cytology fluids and smear samples. The resultant cells are conveniently displayed by slide location or degree of dysplasia, and users may browse through the result gallery or directly through the auto matically guided microscope. The sample statistics are lucidly displayed for the overall assessment of the specimen.



Cellularity Automatic Calculator for assessing the percent of destroyed tissue, mainly for bone tissue sections. The cellularity calculation provides the pathologist with the fraction of bone marrow tissue regions within the tissue and the fraction of lipid ("holes") within these bone marrow regions.



The PathEx product line supports both classic manual microscopes and full multi-slide scanning with Olympus BX61 and Zeiss Axioimager automated microscope platform.



Mark Your Calendar

USCAP
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March 1-7 2008

ISCO
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