



Whole Slide Imaging

Virtual Slides and Imaging with the new Axio Scan.Z1

The still young technique of scanning complete specimens in high resolution is already established in many areas of the bio-medical research and routine. "Whole Slide Imaging" is the generic term used to describe the generation and analysis of Virtual Slides (Digital Slides). For routine applications the visual evaluation with a so-called virtual microscope (Virtual Slides + Viewer) is the main employment. Besides this application, the image analysis based on the whole specimen in combination with a very high flexibility regarding the digitalization methods are central requirements regarding solutions in the field of Whole slide Imaging.

With the new slide scanner Axio Scan.Z1 the research gets an automated system at hand to generate Virtual Slides in brightfield and fluorescence with an outstanding flexibility regarding the image generation and a reliable slide handling. The software platform ZEN 2012 and the Carl Zeiss Image format (czi) enables for the researcher high flexibility regarding the acquisition and analysis. The novel ZEISS solution for Whole Slide Imaging will be completed with the new web-based and platform independent database and remote viewer application ZEN browser inclusive an app for iPad and iPhone.

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