

ABSTRACT

ADVANTAGES OF USING TISSUEALIGN™ AND VIRTUALDOUBLESTAINING™

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Oncotopix® features Tissuealign™ a module to align and subsequently analyze digitized serial sections. Tissuealign™ provides unprecedented speed of high-precision alignment of any number of scanned tissue sections independently of tissue and image modality. A key application for aligning serial sections stained with different biomarkers for a fast and easy case overview. For research Tissuealign™ enables multiplexing and co-localization analysis on an unprecedented scale; revealing more information about the Tumor Micro Environment than ever before.

VirtualDoubleStaining™ is a novel, patent protected application that allows you to combine multiple biomarkers for research and clinical use. Inspired by physical double staining with obvious limitations and problems VirtualDoubleStaining™ allows you to combine any biomarker you desire, by aligning serial sliced sections each stained with a different biomarker. This allows you to combine a tumor marker with an analytical marker or even combine two markers that stain the same compartment.

This webinar will present the VirtualDoubleStaining™ method and how it is used in research for automatic tumor detection and quantification within the tumor area. The presentation will be followed by a live demo showing the wizard driven workflow of aligning whole slide images and applying analysis of the combined biomarkers.

Visiopharm's Oncotopix® is a leading quantitative image analysis solution for cancer research and diagnostics.

