

ABSTRACT

Automated systems and methods for evaluating specimens affixed to substrates, such as slides, an exemplary system including a slide imager configured for acquiring a plurality of micro images of a specimen affixed to an substrate, the specimen including a plurality of objects distributed within a three-dimensional volume, and for generating a whole specimen image of the specimen using the micro images, wherein objects contained in the specimen are depicted substantially in focus in the whole specimen image regardless of a z-depth of the respective objects within the specimen. The whole specimen image is stored on a storage medium for subsequent review by a cytotechnologist using a computer-controlled review station including a display and a user interface, wherein the review station user interface is configured such that the cytotechnologist can review and classify the stored whole specimen images.

FIG. 25B