Quantitative pathology imaging system, 2/16

February 2015—PerkinElmer launched its Vectra 3 automated, high-throughput quantitative pathology imaging system. This solution's new seven-color multiplexing and visualization capabilities are designed to enable pathologists and oncologists conducting research to gain a deeper level of understanding of disease mechanisms related to new cancer immunotherapy approaches.

The Vectra 3 system visualizes, analyzes, quantifies, and phenotypes immune cells in situ in formalin-fixed, paraffin-embedded tissue sections. It incorporates 10× whole slide imaging and the Phenochart whole slide viewer, allowing researchers to annotate and navigate slides with interactive interfaces to better identify regions of interest for detailed multispectral acquisition.

The system can separate up to seven colors, which enables identification and quantification of multiple biomarkers and reveals spatial context within a digital workflow to assist researchers with better, faster decisions.

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