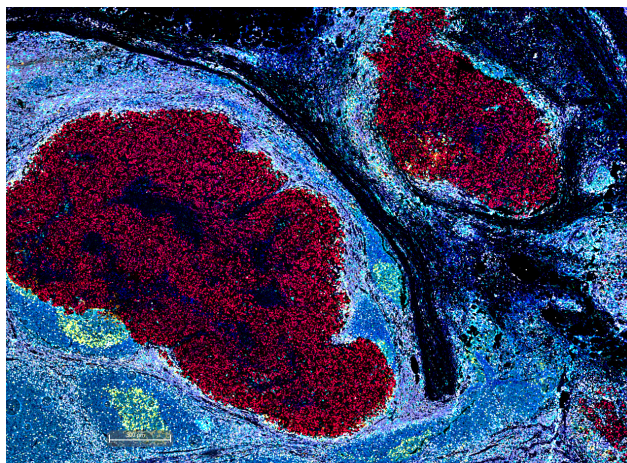


ONCORE Pro X Delivers Immediate Productivity Gains with Consistent Multiplex Immunofluorescence Staining

"The ONCORE Pro X is a flexible, fully automated staining platform that delivers consistent, high-quality results while saving time and reducing hands-on workload"

"What was very attractive about the ONCORE Pro X was the fully automated staining of FFPE tissue and the ability to do up to 36 individual slides and unique protocols."



Melanoma lymph node stained with the PIP drug target panel on ONCORE Pro X. DAPI (blue) marks nuclei; MHCII (aqua) highlights antigen presenting cells; LAG3 (green) and PD-1 (yellow) identify exhausted T cell populations; PD-L1 (orange) marks checkpoint ligand expression; SOX10 (red) labels melanoma cells; and CD3 (white) identifies T cells.

At the Melanoma Institute Australia (MIA) researchers rely on high-quality, reproducible staining results to support key studies that drive global advances in melanoma research.

The Challenge

Prior to installation, the Institute experienced inconsistent staining between runs, as well as long turnaround times using their previous automated IHC platform. Variability seen in the staining quality made it difficult to reliably integrate these multiplex staining protocols into routine workflow using that instrument.

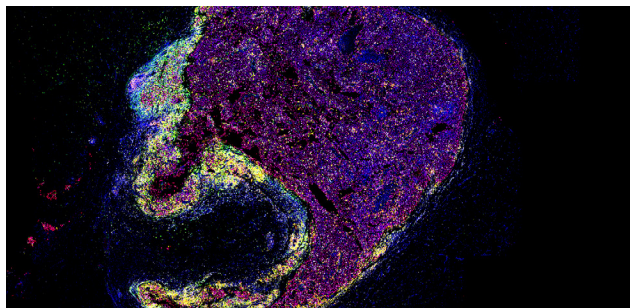
The Solution

The ONCORE Pro X enabled fully automated, consistent staining workflows with RFID-enabled reagent tracking and the flexibility of fully customizable protocols.

The Results

The ONCORE Pro X provided high quality reproducible results and immediate productivity gains for a single overnight run. Previous instrument platform took up to 3 days. Fully automated protocols ensure consistent and reproducible results across users, all with reduced hands-on time.

"The service and support from Metagene and Biocare have been excellent. Our long-standing working relationship is the reason why we happily purchased our second ONCORE Pro X."



Whole slide image of a melanoma sample stained with the current PIP multiplex panel used in workflows on the ONCORE Pro X. DAPI marks nuclei; CD16 and CD68 identify myeloid and macrophage populations; PD-L1 highlights checkpoint ligand expression; SOX10 labels melanoma cells; and CD8 marks cytotoxic T cells.

"The ONCORE Pro X is easy-to-use and ideally suited to laboratories performing multiplex immunofluorescence requiring automation, consistency and efficiency."

Consistent High-Quality Results

Debora Rothmond, Laboratory Operations Manager commented "The ONCORE Pro X provides high quality staining with excellent reliability and performance across several different projects. Before ONCORE Pro X we struggled to achieve consistent multiplex staining between runs. Initial optimization of the ONCORE PRO X was smooth and relatively quick. The new device has been integrated seamlessly into our existing workflow. Its flexibility in reagent use and protocol customization makes it well-suited for both standardized testing and assay development. Features such as delayed start and mixed protocol runs enhance workflow efficiency."

The ONCORE Pro X instrument is used routinely to perform multiplex immunofluorescence protocols across several key projects including the PIP-PREDICT study enabling patient results to be incorporated into biomarker reports for personalized immunotherapy in a timely manner.

ONCORE Pro X provides operational benefits including the ability to use empty vials and assign laboratory selected reagents. Slide by slide protocol optimization helps reduce errors and makes trouble shooting easy.

The greatest impact on the lab with full automation is improved efficiency and reduced inter-user variability. Once set up, the instrument runs independently, reducing the need for manual intervention.

Scan here to learn more about ONCORE Pro X



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