

BD announces global commercial release of BD Research Cloud 7.0, to help scientists advance immunology and cancer research with AI-powered insights and automation

BD (Becton, Dickinson and Company), a leading global medical technology company, announced the global commercial release of BD Research Cloud 7.0, furthering the company's AI roadmap while strengthening its leadership in flow cytometry and life sciences research. The new release introduces BD Horizon Panel Maker, an AI-powered tool for automated panel design – one of the most critical steps across immunology and cancer research experiments designed to help ensure the quality and usability of scientific results.

BD Research Cloud version 7.0 provides scientists with a cloud-based ecosystem for flow cytometry that supports collaboration between team members, streamlines workflows, and manages laboratory operations, from instrument health to purchasing and managing reagents.

The new BD Horizon Panel Maker tool leverages a novel, sophisticated AI algorithm to generate optimized panel recommendations within seconds. Researchers can create panels using custom experimental inputs or draw from curated databases of validated options. Poorly designed panels can lead to unusable, unreliable or irreproducible data, resulting in wasted time, samples, and reagents. By providing automated recommendations and integrated visualization tools, like comparison tables and complexity scores, BD Horizon Panel Maker enables researchers to more efficiently evaluate and select the panels best suited for their experiments.

"By harnessing the power of AI, the new version of BD Research Cloud is engineered to help scientists reach high-quality scientific insights in a fraction of the time, while reducing complexity and potential for error," said Steve Conly, worldwide president, BD Biosciences. "This new AI tool also unlocks the full potential of our BD FACSDiscover Cell Analyzer and Cell Sorters, letting researchers get the most out of both cutting-edge hardware and software, for even the most complex experiments."

BD Horizon Panel Maker is the only commercially available tool that supports integrated imaging and spectral panel design when working with BD FACSDiscover Instruments.

BD is one of the largest global medical technology companies in the world and is advancing the world of health by improving medical discovery, diagnostics and the delivery of care. The company supports the heroes on the frontlines of health care by developing innovative technology, services and solutions that help advance both clinical therapy for patients and clinical process for health care providers.

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