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PerkinElmer unveils industry-first cell analysis solution for cell and gene therapy research

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Cellaca PLX Image Cytometer redefines workflows, addresses multiple critical quality attributes



PerkinElmer, Inc. has launched the Cellaca PLX Image Cytometry System, a first-of-its-kind benchtop platform that enables researchers to assess multiple Critical Quality Attributes (CQAs) of cell samples in a single automated workflow, including cell identity, quality and quantity.

The cutting-edge Cellaca PLX system, designed by the company's Nexcelom unit, combines best-in-class image cytometer hardware, software, validated consumables and trackable data reporting all in one system without requiring complex calibration procedures or intense training requirements. To further streamline the customer experience, optimized reagent kits with validated antibodies from PerkinElmer's BioLegend business are also part of the proprietary solution.

The new offering provides researchers expanded cell sample CQA analysis options beyond flow cytometry and staining methods, which historically have required a variety of different instruments and analytical methods. By combining these capabilities, researchers can now detect multiple markers simultaneously (multiplexing) and perform immunophenotyping and viability assays in seconds with an easy-to-use, modern user interface.