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Agilent unveils transformative Seahorse XF flex Analyser

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For revolutionising 3D tissue and organoid research



Agilent Technologies Inc. has announced release of the new Seahorse XF Flex Analyser, a high-performance, 24-well system designed to expand real-time metabolic analysis into optimised 3D tissue and organoid workflows, along with dedicated consumables and kit.

"The new Seahorse XF Flex Analyser has significantly enhanced our research capabilities. Its 24-well user-friendly design allows us to focus on experiments rather than struggling with equipment, while its heightened sensitivity makes it easier to detect subtle changes in metabolic activity in 2D and 3D cellular models. This efficiency and versatility, especially in studying brain tissue, has made it an invaluable tool for advancing our understanding of metabolism," stated Dr Yvonne Couch, Associate Professor of Neuroimmunology at the University of Oxford, UK.

In combination with the Seahorse XF Flex Analyser, the optimised Seahorse XF Flex tissue workflow includes several key components designed to enhance real-time metabolic analysis in live tissue models. It features the Seahorse XF Flex 3D Capture Microplate, essential for capturing 3D tissue samples, and the Seahorse XF 3D Mito Stress Test Kit, used to measure mitochondrial function in these models. The workflow also incorporates a precision-cut vibratome, a tool that allows for the creation of consistent and smooth tissue sections, crucial for accurate metabolic analysis.

Additionally, the intuitive XF software simplifies assay setup, automates data quality control, and transforms data into actionable insights with minimal effort. These components work together to provide a comprehensive solution for researchers, ensuring higher sensitivity and consistency in their measurements.