

Press Release

Basel, 8. June 2018

Kits and reagents for plate reader-based live cell metabolism assays

With the recent acquisition of Luxcel, Agilent has expanded its cell analysis portfolio. Agilent now offers a even wider range of easy-to-use kits and reagents for measuring real-time energy flux, mitochondrial function, glycolysis and substrate utilization in living cells, isolated mitochondria, 3D cultures and microbes.



This new panel of products are aimed for use with micro-plate-readers. All kits and reagents are designed to enable convenient examination of key energy generating pathways and physiological parameters such as oxidative phosphorylation, glycolytic flux, fatty acid oxidation, mitochondrial function, and cellular oxygenation.

MitoXpress Intra provides a unique tool to quantitatively monitor the oxygen concentration that cells in culture are actually experiencing. Additionally, where the experimental objective is to monitor cell physiology under defined O_2 conditions, MitoXpress Intra provides the ideal tool to identify the appropriate environmental O_2 concentration to achieve this desired cellular O_2 concentration as it accounts for the significant impact cell respiration can have on intracellular O_2 concentration. The flexible plate reader format also allows multiparametric or multiplex combinations with other commonly used reagents.

MitoXpress Xtra - Oxygen Consumption Assay allows a plate reader-based approach, for the direct, real-time analysis of cellular respiration and mitochondrial function. In addition, pH-Xtra Glycolysis Assay enables researchers to assess glycolytic rates and the impact on glycolytic flux.

Common to all three assays is the highly flexible 96- or 384-well format and compatibility with many plate reader, thus eliminating dedicated hardware and allowing higher throughput assay designs. The in vitro cell-based assay kits and solutions are targeting cell metabolism, drug safety and toxicity, as well as hypoxia and oxidative stress for a variety of life science customers from research institutions to pharmaceutical companies.

In order to learn more about the Agilent Luxcel Cell Analysis Portfolio simply give us a call or stop by at our MipTec booth C34 during Basel Life taking place in Basel September 12. - 14. September 2018.

Bucher Biotec AG

Viaduktstrasse 42
4051 Basel

Tel.: 061 269 1111

Email: info@bucher.ch

www: <http://www.bucher.ch>