

Thermo Fisher launches Cytomat 10 incubator

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Singapore: Thermo Fisher Scientific introduced Cytomat 10, a fully automated incubator and storage module for high-capacity cell growth and assay incubation. The product has been designed to fit into the busiest of cell biology or screening laboratories. It offers superior environmental control and can be seamlessly integrated with existing automated assay hardware.

The Cytomat 10 provides a fast plate access time of less than 10 seconds. Additionally, multiple transfer positions and an under-bench version allow flexible incubator placement within the laboratory. As the first generation of automated incubator with a fully validated thermal decontamination system, Cytomat 10 is designed to significantly decrease the risk of contamination and reduce assay variability.

Utilizing more than 40 years of experience in CO₂ incubator technology, the Thermo Scientific Cytomat 10 provides scientists with a reliable and robust incubation unit for precious primary cell or cell-line cultures and assays. An efficient thermal disinfection method practically eliminates germs and spore suspensions, even in areas that are difficult to reach via manual cleaning.

Based on the trusted ContraCon Routine of the renowned Thermo Scientific HERAcell incubators, the Cytomat 10's decontamination is carried out in wet conditions at 90°C, leaving incubators virtually residue-free. The Cytomat 10

incorporates humidity control via an external water reservoir, reducing the risk of contamination from an internal source and the need for repetitive incubator access. Additionally, recovery times are virtually eliminated with a heated automatic access door, with small opening.

The Thermo Scientific Cytomat 10 incorporates an LCD monitor for incubation parameters and full text read-out messaging to inform the user of temperature, humidity and gaseous atmosphere level changes. As a flexible incubation unit, the Cytomat 10 incorporates the Thermo Scientific internally automated PSS (Plate Shuttle System) to serve multiple access and loading positions.