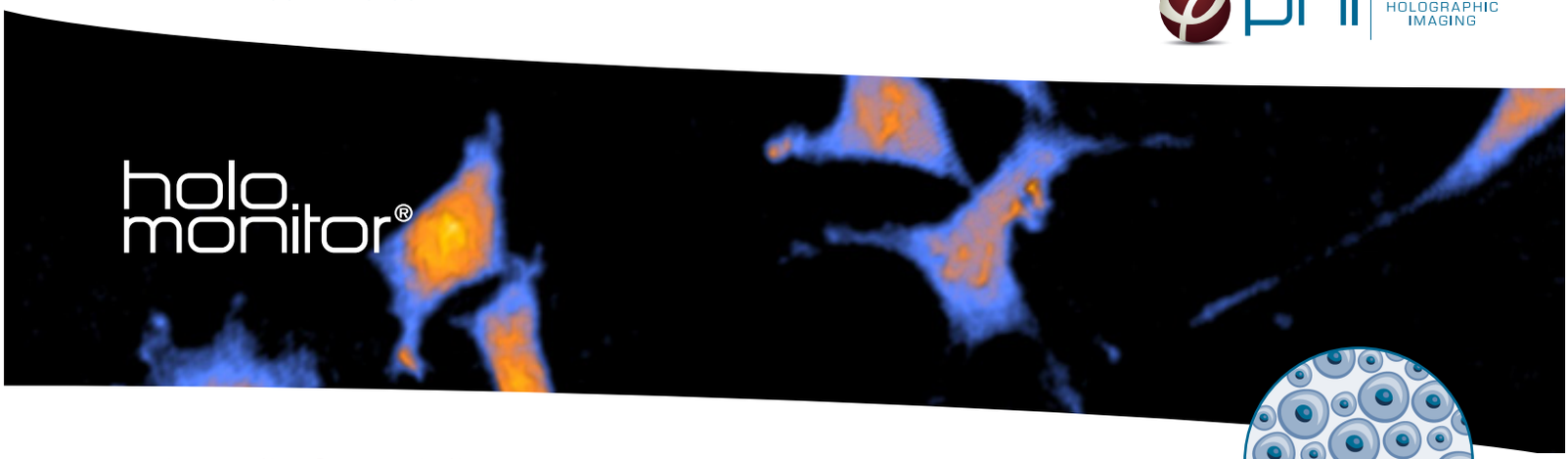
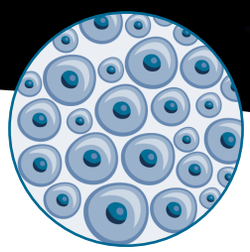




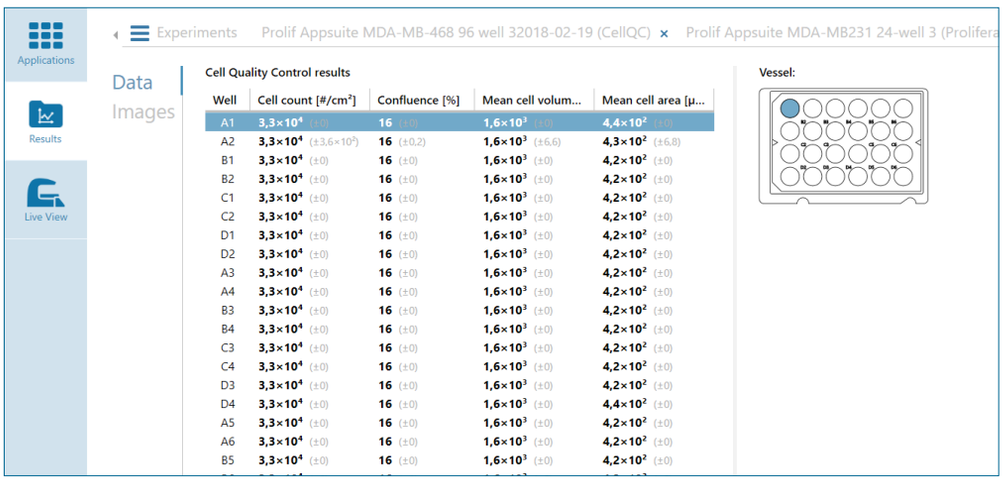
HoloMonitor® App Suite

Cell Quality Control

It is well known that when cells are cultured over longer or shorter time periods they may undergo morphological changes. Quick assessment of the quality of a cell culture prior to experiments may therefore be useful to avoid unexpected or inferior results.

DESCRIPTION

The HoloMonitor® Cell QC Assay presents end-point data on a cell population level in terms of basic morphology, cell count and cell confluence. The assay can be used to ensure that the cells are viable and cell count and/or confluence is appropriate at the start of an experiment. It can also be used as a tool to detect undesired morphological changes in your cell culture when compared to previous experiments.



Well	Cell count [#/cm²]	Confluence [%]	Mean cell volum...	Mean cell area [µ...
A1	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}4\times10^2$ (±0)
A2	$3{,}3\times10^4$ (±$3{,}6\times10^3$)	16 (±0,2)	$1{,}6\times10^3$ (±6,6)	$4{,}3\times10^2$ (±6,8)
B1	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}2\times10^2$ (±0)
B2	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}2\times10^2$ (±0)
C1	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}2\times10^2$ (±0)
C2	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}2\times10^2$ (±0)
D1	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}2\times10^2$ (±0)
D2	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}2\times10^2$ (±0)
A3	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}2\times10^2$ (±0)
A4	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}2\times10^2$ (±0)
B3	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}2\times10^2$ (±0)
B4	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}2\times10^2$ (±0)
C3	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}2\times10^2$ (±0)
C4	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}2\times10^2$ (±0)
D3	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}2\times10^2$ (±0)
D4	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}4\times10^2$ (±0)
A5	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}2\times10^2$ (±0)
A6	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}2\times10^2$ (±0)
B5	$3{,}3\times10^4$ (±0)	16 (±0)	$1{,}6\times10^3$ (±0)	$4{,}2\times10^2$ (±0)

Output - End-point data given as values/well

Cell area (µm²)
Mean cell volume (µm³)
Cell count (no of cells/well)
Cell confluence (% cell covered area)

HOLOMONITOR APP SUITE

HoloMonitor® App Suite is a completely new proprietary software for analysis of images and data generated by the HoloMonitor® M4 base unit. HoloMonitor® App Suite focuses on biological applications and enables researchers within all levels of cell biology to easily perform live-cell studies on various cellular events.

FURTHER INFORMATION

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