Notas de Aplicação
Instrumentos da BioTek

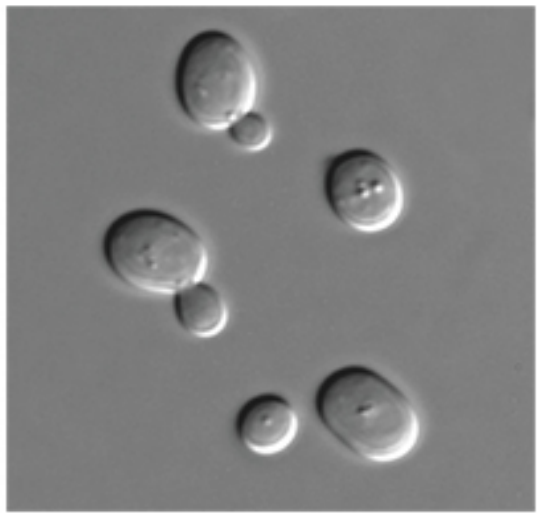
Oridonin Perfusion Causes Cytotoxicity in U-2 OS Cells

Using the ONIX2 System in Conjunction with the Lionheart™ FX Imager

The imaging and analysis of fluorescently stained cells has traditionally been accomplished using manual microscopic methods with low numbers of samples. Unfortunately, much of the work has been performed under static fluidic conditions that allow compound degradation products and cellular metabolites to build up. Here we describe the use of the Lionheart™ FX Automated Live Cell Imager and the CellASIC ONIX2 perfusion micro-incubator to rapidly image and analyze perfused tissue culture cells in multiple fluorescent colors and brightfield.

NEW APPLICATION NOTES

- Automated Comet Assay Imaging and Dual-Mask Analysis to Determine DNA Damage on an Individual Comet Basis *(Cytation 5)*
- Performance of a Label-Free Image-Based 2D Scratch Wound Healing Assay to monitor Cell Migration and its Inhibition *(Cytation 5, Lionheart FX)*
- Monitoring Saccharomyces cerevisiea Growth with Brightfield Microscopy in Real Time *(Lionheart FX)*
- Monitoring Viral Infection of Mammalian Cells using Digital Fluorescence Microscopy *(Cytation 5, Gen5)*
- Optimization of a Multi-Mode Detection Model for Measuring Real-time Cellular Respiration and Mitochondrial Function using Fluorophoric Biosensors *(Cytation 3, Synergy 2, Synergy H1, Synergy Neo2)*



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