

## CYTONOTE SCAN

TIME-LAPSE IMAGING OF CELL CULTURE AND MULTIWELL PLATE ANALYSIS FROM INSIDE THE INCUBATOR



**LABEL FREE &  
HIGH CONTRAST**



**ALWAYS  
IN FOCUS**



**SETTINGS  
FREE**



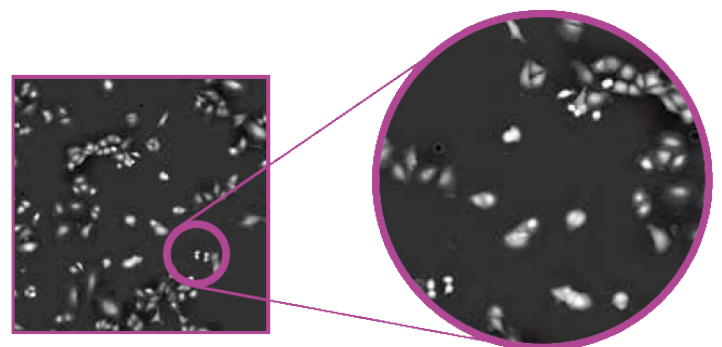
**HUGE FIELD  
OF VIEW**

Our innovative instruments open new perspectives into Live Cell imaging and cell kinetic analysis. IPRASENSE's label-free time-lapse Imaging Technology offers a versatile solution for monitoring cell culture inside your incubator. The unmatched extra large field of view and the insensitivity to focus provide a robust real-time analysis of your adherent cells in any Petri dishes, T-Flask, slides or microchips.

The **CYTONOTE SCAN** product range simplifies live cell imaging technique and transforms the complex and expensive microscope into a cost-effective solution. IPRASENSE reinvents the automated imaging and real-time analysis from inside the incubator.

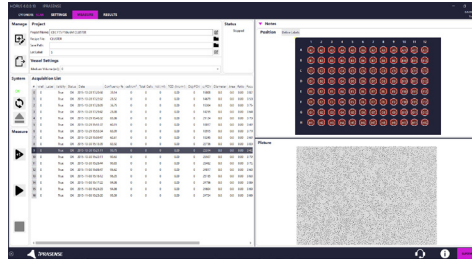
**THE CYTONOTE SCAN  
IS DESIGNED FOR PARALLEL  
CULTURES MONITORING IN  
MULTIWELL PLATE**

*For research use only (RUO).  
Not for use in diagnostic procedures.*



### APPLICATIONS

- ✓ Cell proliferation
- ✓ Cell migration
- ✓ Cell morphology
- ✓ Cell tube formation



**HORUS** Software for recording and analyzing the cell culture from a computer

The **CYTONOTE SCAN** is the most simple live cell-imaging system for multiwell plates designed for recording cell movies and analyzing a variety of cell culture from inside the incubator. The innovative and patented « lensless imaging » technology pushes the boundaries of microscopy with its super wide field of view and its capability to capture and analyze precisely several thousands of cells without any focus and brightness settings.

The image analysis and results from the **CYTONOTE** are performed from the HORUS dedicated software. HORUS is application oriented, it provides automatic cell count, quantitative confluence determination, cell size or cell tracking. Full field images (30 mm<sup>2</sup>) of the samples are stored and can be accessed and zoomed at any time. It is designed to monitor up to 96 wells independent cell cultures.

## PRODUCT APPLICATIONS

- > LIVE CELL **IMAGING**
- > CELL GROWTH **MONITORING**
- > CELL **PROLIFERATION ASSAY**
- > CELL **MIGRATION ASSAY** : WOUND HEALING, CHEMOTAXIS
- > CELL TUBE **FORMATION ASSAY** : ANGIOGENESIS
- > 3D **SPHEROIDS CULTURES**

## TECHNICAL SPECIFICATIONS

- Cells** > Eucaryotic cells: adherent monolayer, suspension cell at bottom of culture ware or in micro-slides, 3D spheroids
- Media** > Liquid or semi-solid (collagen)
- Culture vessels** > Standard plastic petri dishes, culture flasks, multiwell plates, max height 55 mm
- Resolution** > 1 micron
- Field of view** > 29,4 mm<sup>2</sup>
- Working distance** > 0 to 5 mm
- Image rate** > 96 well plate in 15 min
- Light source** > LED
- Sensor** > CMOS 10 Mpxl
- Dimensions** > 28 x 23 x 21 cm
- Weight** > 12 kg
- Power supply** > 24 V DC (110-240 V AC power converter included)
- Pharmaceutical industries** > - 21 CFR part 11  
> - IQ/OQ