



CYTONOTE 1W

Time-Lapse images of cells and real time analysis from inside your incubator



**LABEL FREE &
HIGH CONTRAST**



**ALWAYS
IN FOCUS**



**SETTINGS
FREE**

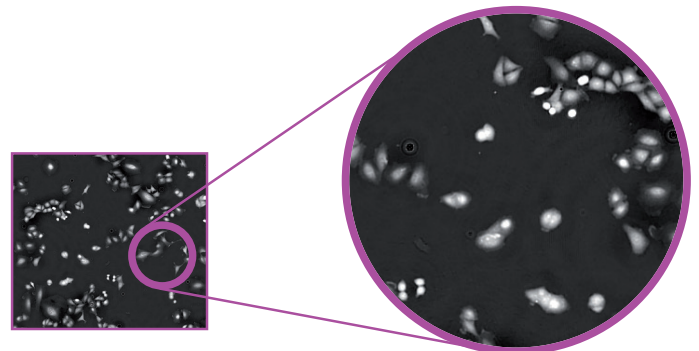


**HUGE FIELD
OF VIEW**

Adherent cell culture - Cell based assays - Stem cell research - Drug discovery - Cell therapy

Our innovative instruments open new perspectives into Live Cell imaging and cell kinetic analyses. 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 1W** product range simplifies live cell imaging technique and transforms the complex and expensive microscope into a cost-effective solution.



**THE CYTONOTE
IS THE IDEAL SOLUTION
FOR YOUR LIVE CELL BASED ASSAYS**

APPLICATIONS

- ✓ Cell Proliferation
- ✓ Cell Migration
- ✓ Cell Morphology
- ✓ Cell Tube Formation



HORUS Software for recording and analysing the cell culture from a computer

The **CYTONOTE 1W** is the most simple live cell-imaging system designed for recording cell movies and analysing 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 mm²) of the samples are stored and can be accessed and zoomed at any time. It is designed to monitor up to 6 Cytonote simultaneously for 6 parallel or independent cell cultures.

- > **CELL MIGRATION** CHEMOTAXIS, WOUND HEALING ON HIGH STATISTICAL NUMBER OF CELLS AND VERY WIDE AREA
- > **CELL PROLIFERATION** THROUGH CELL COUNT AND QUANTITATIVE CONFLUENCE DETERMINATION
- > **ANGIOGENESIS** THE VERY WIDE AREA ALLOWS TO OBSERVE THE FULL ANGIOGENESIS PROCESS WITH HIGH LEVEL OF DETAILS

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 dish, culture flasks, multiwell plates, max height 55 mm
Resolution	> 1 micron
Field of view	> 29,4 mm ²
Working distance	> 0 to 5 mm
Image rate	> 1,5 min
Light source	> LED
Sensor	> CMOS 10 Mplx
Dimensions	> 12 x 11 x 10 cm
Weight	> 1 kg
Power supply	> USB