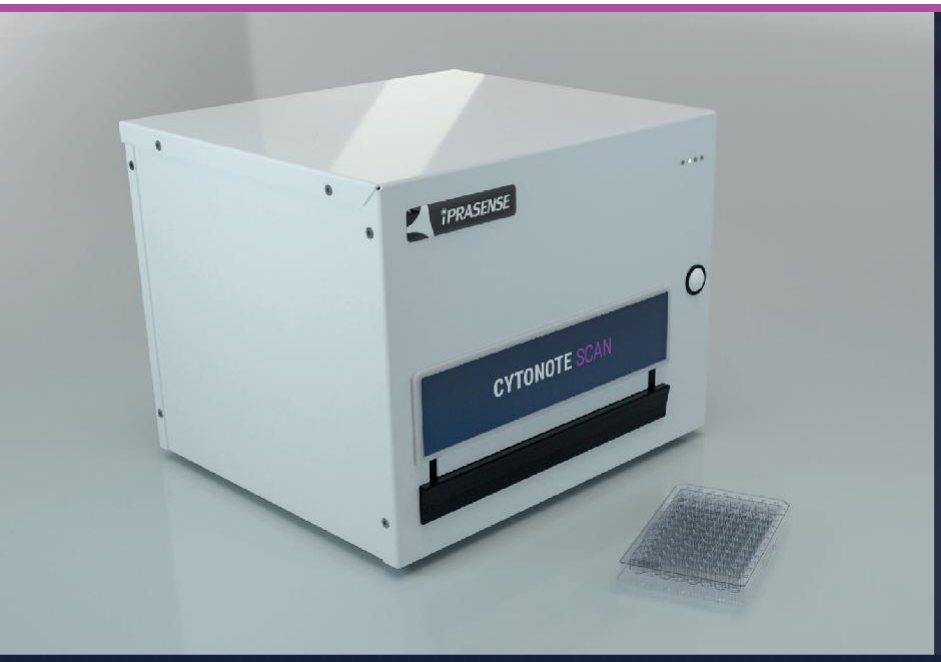
iPRASENSE

Cell Culture Monitoring



CYTONOTE SCAN

TIME-LAPSE IMAGING OF CELL CULTURE AND

LABEL FREE & **HIGH**

ALWAY S

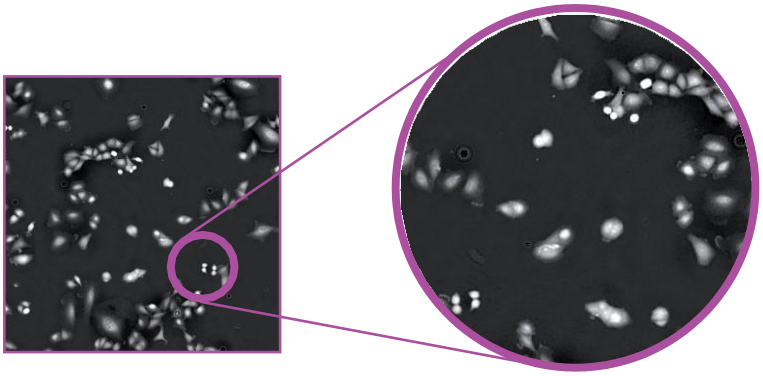
SETTIN GS

HUGE FIELD

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



FEATURES

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

iPRASENSE

Cell Culture Monitoring

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 thincubator. The innovative and pa- tented « lensless imaging » technology pushes the boundaries of mi-croscopy 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 tacking. 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 96 wells independant 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**

Cells	> Eucaryotic cells: adherent monolayer, suspension cell at boom of multiwell, 3D spheroids
Media	> Liquid or semi-solid (collagen)
Culture vessels	> Standard 6, 12, 24, 48, 96, 384 multiwell plates, petri dishes
Resolution	> 1,5 micron
Field of View	> 29.4 mm^2
Image rate	> 96 well plate in 15 min
Light source	> LED
Image	> .png 10 Mpixel
Enclosure	> Stainless Steel
Dimensions	> 28 x 23 x 21 cm
Weight	> 12 kg
Power supply	> 24 V DC (110 - 240 V AC power converter included)

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afaq ISO 9001 Qualité AFNOR CERTIFICATION

celld