IPRASENSE

Cell Culture Monitoring Instruments

NORMA XS

AUTOMATIC CELL COUNT AND VIABILITY ANALYZER

SAMPLE PREPARATION FREE

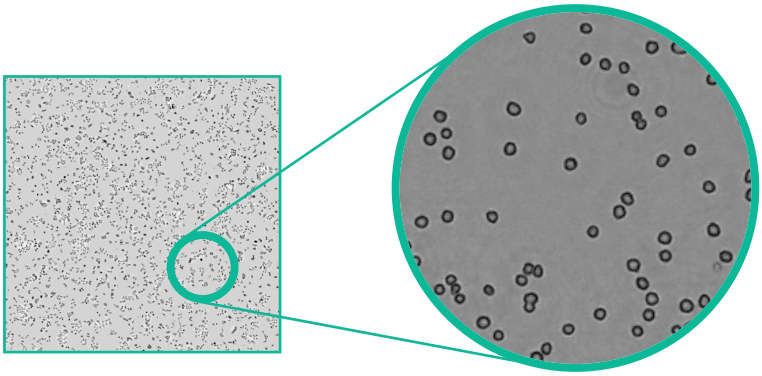
SHORT TIME RESULTS

HIGH REPEATABILITY

LOW SAMPLE VOLUME

Mammalian Cell Culture - Cell Line - Media/Process Development - DRUG Discovery

IPRASENSE reinvents the automated Cell Counter and Viability Analyzers. Our unique label-free Imaging Technology provides extremely fast cell count and viability from a few µl sample volume of your cell suspension. The unmatched repeatability directly results from the extremely large field of view of the single analyzed image, together with the sample preparation free method (no dilution, no label like trypan blue). The **NORMA** XS offers fast, simple and robust solutions for your routine lab cell counts.



Several thousands of cells counted within a single image gives unmatched rapidity and repeatability

THE EASIEST SOLUTION FOR ACCURATE AND PRECISE CELL COUNT

FEATURES

- ✓ Automatic cell count and viability
- ✓ Label free
- ✓ Match with reference trypan blue method
- ✓ Cell size distribution

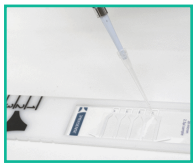
For research use only (RUO). Not for use in diagnostic procedures.

The **NORMA** XS is the most simple automatic benchtop It uses the new and revolutionary lensless imaging technology to measure total and viable cell count and determine viability. The **NORMA** XS provides an unmatched accuracy and precision thanks to its wide field of view that allows counting several thousands of cells within a single sample image.

ABSOLUTE EASE OF USE

1

Take your unprepared sample (LABEL FREE, UNDILUTED)

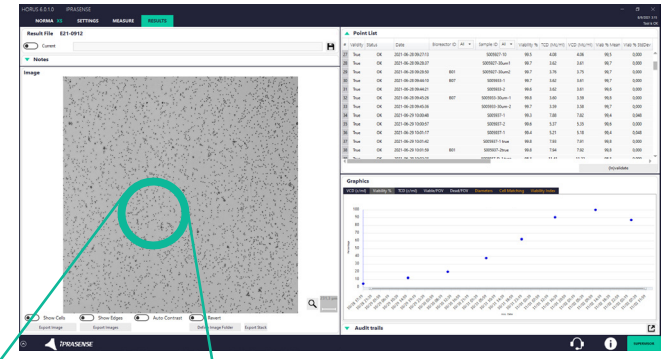


2

Load the sample into the slide chamber

3

Insert the slide into the NORMA XS and press measure **THAT'S IT** !!!



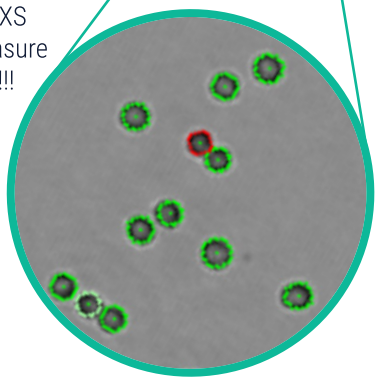


Image zoom of CHO cells with overlapped mask of cell detection and viability determination
Green circles (viable cells)
Red circles (dead cells)

The measurement results are returned by the HORUS software. Each parameter is visible on a simple graphical interface with the possibility to follow several running cultures on user friendly charts.

- **AUTOMATIC** CELL COUNT
- **VIABILITY**
- **CELL SIZE** DISTRIBUTION
- **RATIO** ASPECTS
- **GROWTH** CURVES

TECHNICAL SPECIFICATIONS

Cells	>	Mammalian cells
Concentration range	>	10^4-4.10^7 cell/ml
Cell size range	>	7-50 µm
Sample volume	>	3-13 µl
Viability determination	>	Light diffraction
Counting time	>	10 to 15 seconds
Numbers of sample	>	4 samples/slide
Image and Video format	>	.png, .bmp, .tiff, .raw, .avi
Dimensions	>	12 x 10 x 7,5 cm
Weight	>	0,5 kg
Power supply	>	USB
Pharmaceutical industries	>	- 21 CFR part 11 - IQ/OQ

CELL LINES EXPERIENCE WITH NORMA

CHO	JURKAT
HEK 293	YT
NIH 3T3	PC12
HELA	VERO

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