



# NORMA HT

HIGH THROUGHPUT CELL  
COUNT AND VIABILITY  
ANALYSER



**SAMPLE  
PREPARATION FREE**



**SHORT TIME  
RESULTS**

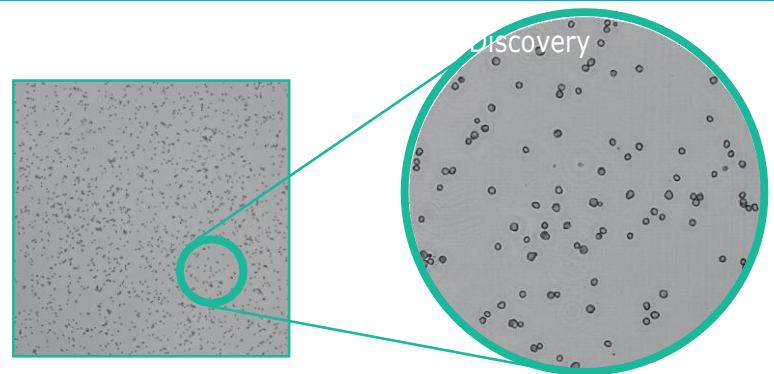


**HIGH  
REPEATABILITY**



**LOW SAMPLE  
VOLUME**

**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  $\mu$ l 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 and your high throughput platforms.



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

HIGH THROUGHPUT AT  $\mu$ l  
SCALE DESIGNED FOR CELL  
COUNT  
OF SMALL SCALE PARRALLEL  
CULTURES IN MICROPLATES

## FEATURES

- ✓ Automatic cell count and viability
- ✓ Measures 48 samples in parallel
- ✓ 3-8  $\mu$ l sample volume
- ✓ Label free
- ✓ Match with reference trypan blue method



## THE NORMA HT CELL COUNTER IS DEDICATED TO CELL COUNT AND VIABILITY FOR 96 MICROPLATES AND PARALLEL BIOREACTORS

The NORMA HT Cell counter is the most simple automatic benchtop cell counter for High throughput parallel culture monitoring. It rapidly measure viable cell count and viability on up to 48 samples. Each of the 3 µl samples is analyzed undiluted and several thousands of cells are counted within a single image.

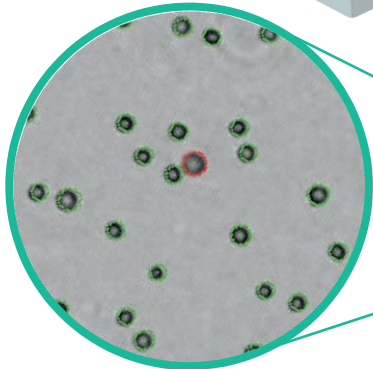
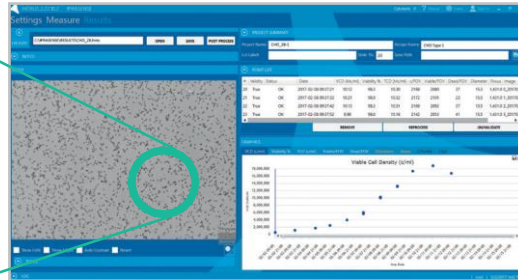


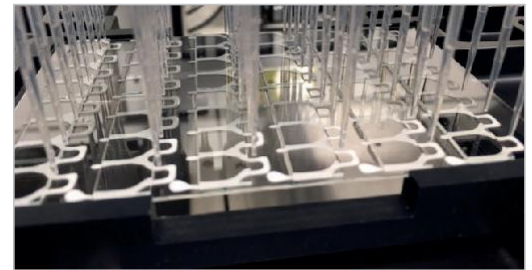
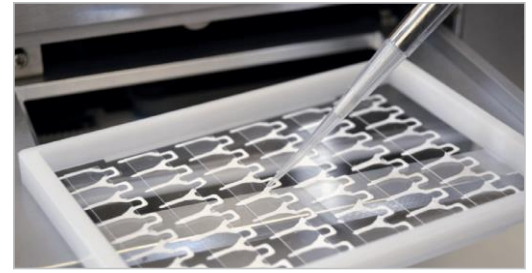
Image zoom of CHO cells with overlapped mask of cell detection and viability determination.

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 up to 96 running cultures on user friendly charts.

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



Each sample can be loaded manually onto the 48 chambers counting slide with standard mono or multichannel pipettes or the complete sampling and counting procedure can be fully automated/integrated with liquid handlers and robotic systems.

Cells	Mammalian cells
Concentration range	10 <sup>7</sup> - 4.10 <sup>7</sup> cell/ml
Cell size range	7-50 µm
Sample volume	2 - 8 µl
Number of sample	48
Viability Determination	Light diffraction
Counting time	15 seconds
Image Format	.png
Dimensions	
Weight	12 Kg
Enclosure	Stainless Steel
Power supply	110 - 240V AC

### CELL LINES EXPERIENCE WITH NORMA HT

<b>CHO</b>	<b>JURKAT</b>
<b>HEK 293</b>	<b>YT</b>
<b>NIH 3T3</b>	<b>PC12</b>
<b>HELA</b>	<b>VERO</b>