

LeviCell Insight 96: High Content Imaging with No Compromises

Visualize and Analyze All 96 Samples Simultaneously

Gain unparalleled insights into your entire experiment with the high-throughput imaging system, specifically designed for advanced cell preparation with the LeviCell array platform.



Powered by Levitation Technology

The LeviCell platform separates cells based on their unique physical signatures without harsh labels or stress, translating this gentle approach into a powerful analytical tool.

Real-Time, 96-Well Imaging

Capture a comprehensive image of every well in your standard-format 96-well plate at the same time. Stop sequential imaging. Start full-panel QC.

Rapid Sample QC

Cut down time between preparation and analysis. Quickly verify cell health, aggregation, and purity across all samples before committing to expensive downstream assays.

Stop Guessing. Start Seeing.

Traditional cell preparation is a black box. The LeviCell Imaging Platform removes the guesswork.

The Old Way

Manual Spot Checks: Spot checking destroys precious cells
Delayed Feedback: Long, complicated image acquisition
Compromised Data: Unknown debris/dead cell contamination

The New Way

Complete Analysis: Simultaneously image all 96 wells
See It Live: Know what's in your samples before committing
Maximized Outcomes: Confidence in results

Fast. Simple. Intuitive Workflow

30 min

Levitate Samples

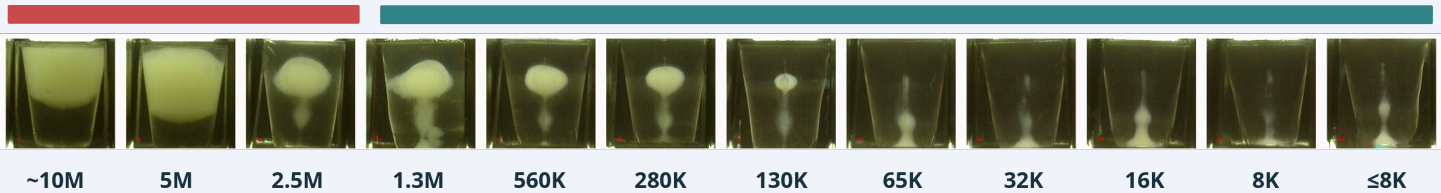
5 min

Image Samples

5 min

Collect Samples

Make Informed Sample Decisions Now. Not Later.



50% viable H358 cells, titrated across single row of Insight 96

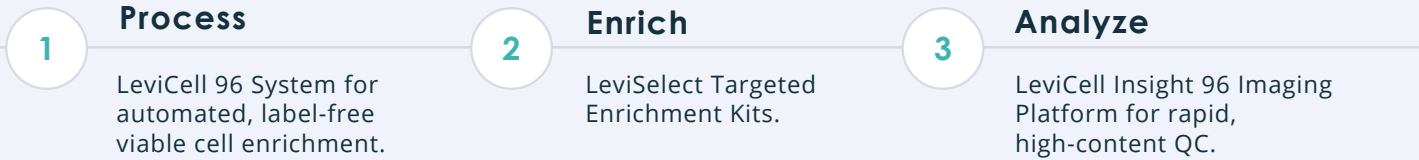
Fig. 1. Dilution series of ~50% viable H358 lung cancer cell line as visualized under Insight 96 system, showing separation of live and dead cell populations and visual confirmation of cell inputs. **Red bar** = wells with overloading, **turquoise bar** = wells with appropriate loading showing good separation of live and dead populations optimal for cell enrichment in LeviCell 96.

Key Applications

Application	Platform Advantage
Pre-Sort/Pre-Sequencing QC	Visual confirmation of viable cell band height across all 96 samples before loading into single-cell systems (e.g., 10x Genomics).
Organoid & Spheroid Analysis	Rapidly assess structure, size, and health of complex cell models in every well, supporting high-throughput screening.
Drug/Cellular Response Screening	Perform automated, high-content imaging assays (toxicity, proliferation) to quantify cellular response in high-throughput format.

The LeviCell Ecosystem

The LeviCell Insight 96 is the final piece of the high-throughput LeviCell Ecosystem



LeviCell 96 Insight Specifications

Dimensions: 260 mm x 210 mm x 310 mm (D x W x H)

Weight: 6 kg (13 lbs)

Keyboard and monitor included



Unlock the full potential of your 96-well research.

Ready to elevate your cell analysis?

Contact us to learn more about the Early Access requirements and application process.

 www.levitasbio.com

 info@levitasbio.com