

DISCOVER MORE. SPEND LESS.

LeviCell 96 System

Automated Cell Enrichment & Cell Washing Platform

A Paradigm Shift in Sample Processing

<p>100X Higher Throughput</p> <ul style="list-style-type: none"> • Cell washing • Sample enrichment • Debris removal 	<p>10X Lower Cost</p> <ul style="list-style-type: none"> • \$10 vs >\$100 • <50 min hands on time for 96 samples • Walkaway automation 	<p>500X More Data</p> <ul style="list-style-type: none"> • 5X more usable cells • 10X less myelin and debris • >99% targeted
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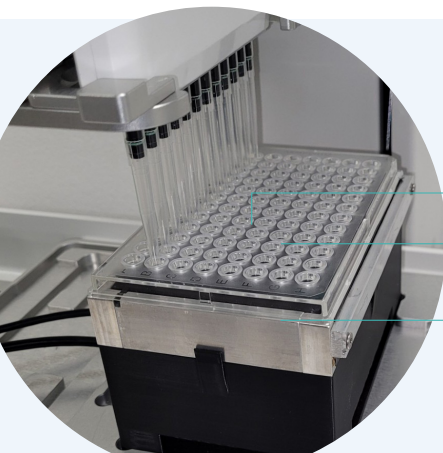
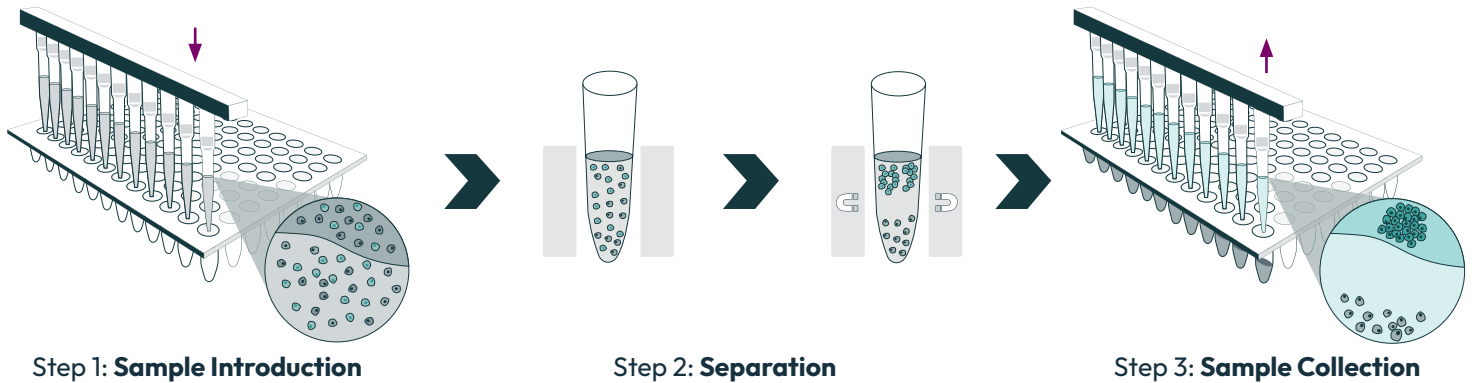
Breaking Barriers with Cell Processing

The LeviCell[®] 96 System isolates targeted cells without the use of labels or markers. Gently levitating cells using magnetic forces, the system can process up to 500,000 cells per well.

Outperforming standard wash and cell enrichment workflows, this technology generates high purity outputs from low-quantity inputs; even for very low input cell numbers.



How it Works



Process up to 96 individual samples, offering flexibility across cutting edge analytical workflows including cell sorting, sequencing, cellular assays and flow cytometry.

Compatible with SLAS/SBS standard.

Debris removal performed during the enrichment or wash workflow.

Gentle, label free cell separation compared to standard methods.

Key Applications

This fully automated system offers multimodal provisions that are flexible and reproducible. Levitation Technology™ adapts to an array of applications.

1 Flow Cytometry

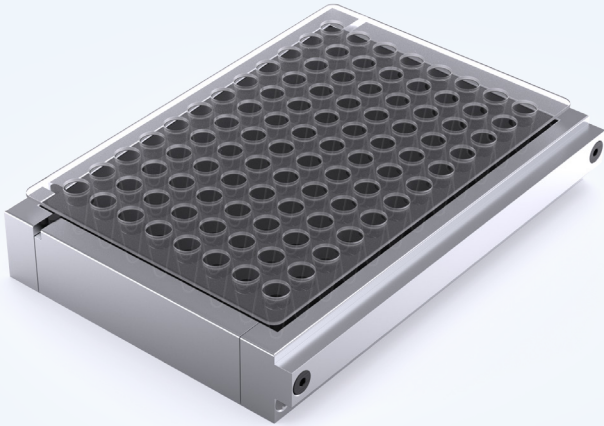
- Presorting enrichment
- Cell washing

2 CITE-Seq

- Pre-encapsulation enrichment
- Cell washing

3 scRNA-Seq

- Pre-encapsulation enrichment



Applications Beyond Live Cell Enrichment

Primary cell dose response

Dissociated tumors, multi-cell type, plant bacteria, and Nuclei cells

Organoid testing

Whole/dissociated, fractional cell response, and death/activation

Cell-cell interaction

Killing assay, cell-cell binding, and multi-cell type option

LeviCell 96 System Performance

The LeviCell 96 System delivers up to 90% faster results over market leaders, improving laboratory efficiencies and outcomes.

Levitation Example 1 - Live Cell Enrichment (for 96 Samples)

Yield	Viability	Debris removal	Hands on time	Hands-on steps	Total time as short as
>50%	95%	90%	5mins	3	30mins

Levitation Example 2 - PBMC Cell Washing for Cytometry (for 24 Samples)

Yield	Viability	Sub-populations maintained?	Hands on time	Hands-on steps	Total time as short as
>70%	95%	Yes	5mins	3	50mins

✓ **Sample Type Flexibility**

✓ **Unbiased Cellular Profile and Response**
Does not alter subpopulation representation

✓ **Gentle, Automated Processing**

✓ **Option to Multiplex with LeviSelect Targeted Assays**