

Meet Namocell™




Namocell
The Fastest Way to a Single Cell

Namo™ Single Cell Dispenser

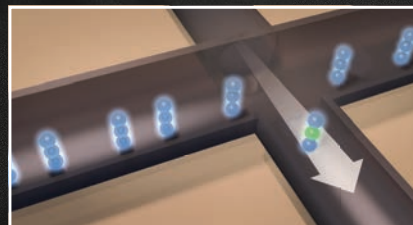
Namo is a fluorescence-based microfluidic system that enables sorting and dispensing at your own benchtop. **Two modes, single sorting mode and bulk sorting mode**, are fast and easy to use with cell-friendly handling. Single sorting mode dispenses single cells per well. Bulk sorting mode results in an enrichment of a rare(<1%) cell population from a high density sample.

Two Modes



Single Sorting Mode

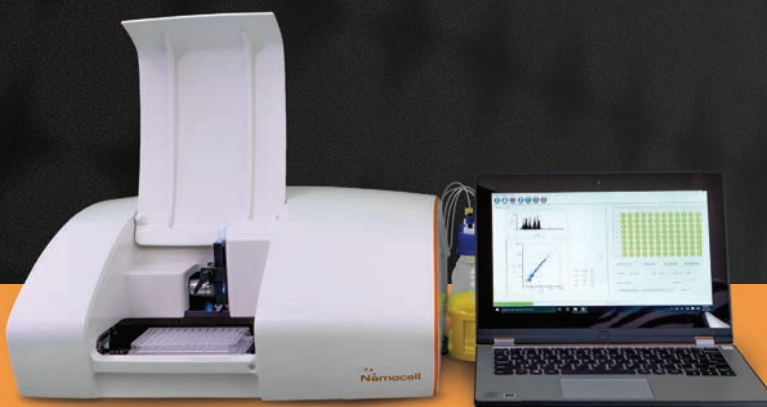
- 96-well plate in less than 1 min
- 384-well plate in less than 3 min



Bulk Sorting Mode

- Sort 100M cells in 5 min
- Fastest sorting speed of 300,000 cells/s

Namo Specifications



Laser Wavelength:	488 nm	Detection Channels:	FL1-533 nm (FITC/GFP) FL2-585 nm (PE/PI) FL3-676 nm (PerCP, optional)
Sorting Pressure:	2 psi	Input Sample Density:	100 – 1B cells/mL
Sorting Speed:	10 – 300,000 cells/s	Input Sample Volume:	100 – 750 µL
Dispensing Volume:	1 µL	Minimum Sample Input:	100 cells
Dispensing Format:	96- or 384- well plate	Initialization Time:	2 min
Dimensions: Weight:	19 in x 14 in x 8 in 22 lbs	Sheath Consumption:	15 mL/hr

Advantages



Fast

- Single cell dispensing in 1 min/96-well plate, and 3 min/384-well plate
- Bulk sort 100M cells in 5 min
- 2 min system initialization



Easy

- Software-assisted prompts ensure foolproof operation
- Automated initialization and shutdown routines
- Zero maintenance



Flexible

- 100 cells minimal input
- Sample density can range from 100 cells/mL to 1B cells/mL



Compact

- Benchtop, lightweight
- Fit in tissue culture hood



Affordable

- Low cost of total ownership



Gentle

- Low pressure ensures cell viability and integrity

Disposable Cell Cartridge

High Cell Viability

Namo's low running pressure (2 psi vs 20 – 70 psi of FACS) preserves cell viability and phenotype.

Near-zero Dead Volume

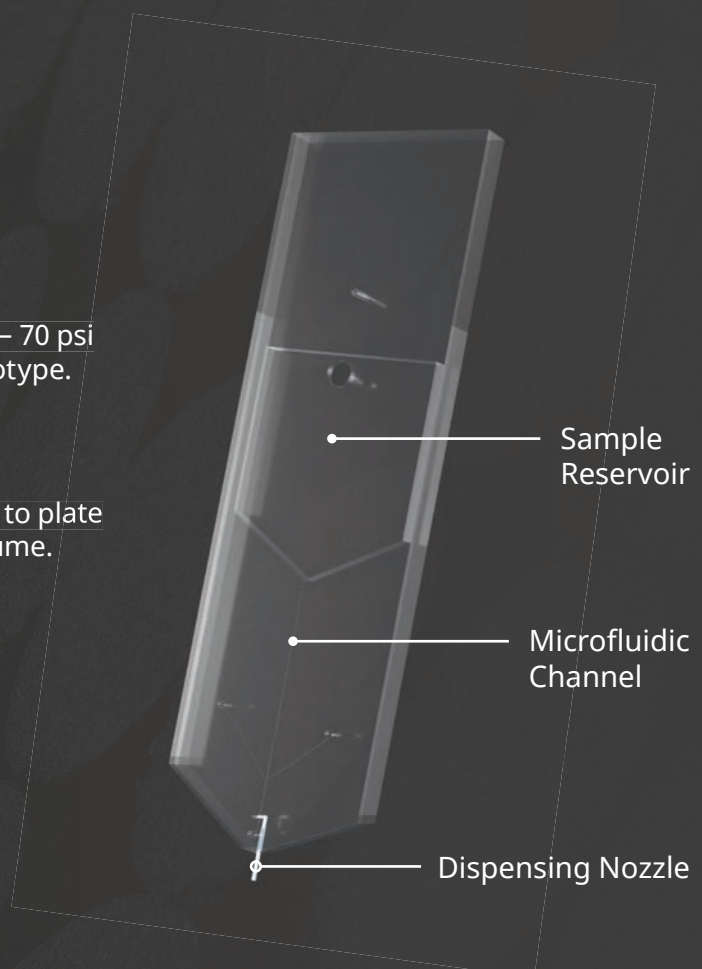
Direct route of sample from cell cartridge to plate enables conservative, near-zero dead volume.

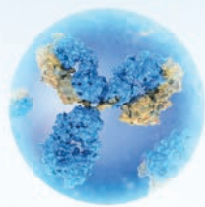
No Sample Carryover

Disposable cell cartridge prevents cross-contamination between samples.

Safe - No Aerosol Formation

1 μ L droplet prevents aerosol formation.

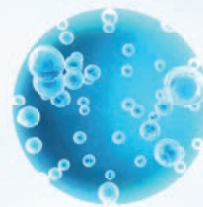




Monoclonal
Antibody

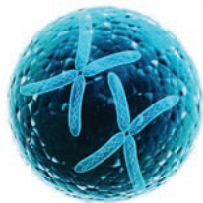


Synthetic
Biology



Cell Line
Development

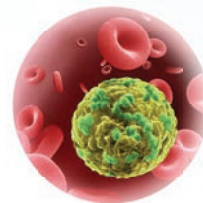
Applications



Single Cell
Genomics



CRISPR



Rare Cell
Isolation


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