

EXOSOMES · VIRAL VECTORS · NANOMEDICINE · GENE THERAPY

Nanoparticle analysis + sorting, from 50 nm to 3 μ m.

Meet the **FuTech SN415 Nano Sorter** — a multi-parameter flow sorter that detects and sorts nanoparticles from 50 nm to 3 μ m. Built for the precise analysis of exosomes, viral vectors and nanomedicines, it isolates specific subpopulations by size, morphology and surface markers for mass spectrometry, RNA sequencing, or direct use in cell and animal models.



50 nm – 3 μ m

DETECTION RANGE

10,000 eps

MAX SORTING RATE

Up to **4** lasers

561 nm LASER OPTIONAL

Up to **16** channels

3 SCATTER + 13 FLUOR.

>90%

PURITY · YIELD >80%

4-way sorting

CHARGED · UNCHARGED

KEY FEATURES



Wide range

Resolves nanoparticle subpopulations from 50 nm to 3 μ m in exosomes, small viruses and nanomedicines.



Multi-channel

Up to 4 lasers with 3 scatter and 13 fluorescence channels for multi-parameter analysis.



High efficiency

Sorts at up to 10,000 events per second for fast enrichment of exosomes and viral vectors.



Automated

Automatic QC, particle-size calibration and side-stream alignment for quick setup.



Safety design

Fits a standard biological safety cabinet for safer handling of high-risk samples.

Detect
50 nm – 3 μ m



Analyze
size · morphology · markers



Sort
4-way charged · uncharged



Downstream
MS, RNA-seq, cell & animal

Nanoparticle sorting for your lab.
Let's talk about your application.

Nick Wilson · Business Development Director
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Advisors in strategy. Partners in execution.

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BIOMEDICAL RESEARCH · DRUG DEVELOPMENT · GENE THERAPY

Engineered for the nanoscale.

Sort by size, morphology and surface markers — then take sorted particles straight into downstream analysis or functional experiments.

DETECTION RANGE



BUILT FOR NANOPARTICLE RESEARCH



EVs + Exosomes

Multiparametric characterization + enrichment of exosome subpopulations.



Viral Vectors

Structural analysis and high-purity sorting of viral vectors.



Nanomedicine

Delivery research and efficient sorting of nanomedicine carriers.

AT A GLANCE

EXCITATION LASERS 405 · 488 · 638 nm (+561 opt.)	DETECTION RANGE 50 – 3,000 nm	SORT MODES 4-way charged · uncharged	SAMPLE INPUT 5, 1.5 & 0.5 mL tubes
DETECTION CHANNELS Up to 3 scatter + 13 fluor.	MAX EVENT / SORT RATE 10,000 eps	COLLECTION Tubes · 6–384-well · slides	SAMPLE FLOW RATE 300 nL – 10 µL/min
SENSITIVITY FITC <10 MESF · PE <10 MESF	PURITY · YIELD >90% · >80%	CONFIGURATIONS 7 options · 1 to 4 lasers	DIMENSIONS (W × D × H) 900 × 600 × 450 mm

Have a nanoparticle sorting challenge?
Let's see if the SN415 fits your lab.

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