

The Challenge of Modern Flow Cytometry

Modern flow cytometry generates remarkably deep single-cell immune data often measuring 40+ parameters per cell across millions of cells. But traditional analysis and gating can be biased, slow, and not reproducible for high-dimensional datasets.

Clinical trials in particular produce hundreds of millions of data points with hidden insights that manual analyses simply cannot capture.

The Downstream Effects:

- Weeks or months wasted on manual analysis
- Missed cellular phenotypes and biomarkers
- Inconsistent results across analysts and sites
- Delayed decision-making in clinical trials

Ready to Maximize Your Flow Data?



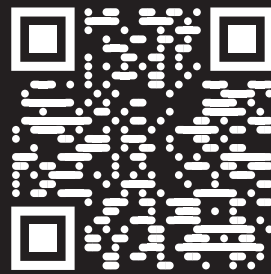
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Next generation flow cytometry at scale

One integrated platform.
Built for clinical-scale flow cytometry.



RESOLVE

Per-event spectral unmixing



ENDPOINTS

Audit-ready computational gating



DISCOVERY

Unbiased phenotypic exploration

SOC2 Certified · 21 CFR Part 11 Compliant

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RESOLVE

Adaptive cell-by-cell level unmixing.

Standard unmixing applies the same correction to every cell. Resolve unmixes each event individually accounting for that cell's specific autofluorescence signature. The result is cleaner separation of dim markers and gates that reflect biology, not noise.



Per-event autofluorescence estimation

Ozette's novel computational unmixing eliminates biased downstream compensation and reduces time and resources spent on re-unmixing.



Positivity scores: no FMOs required

Leverage Ozette's novel metric to ensure the highest accuracy unmixing and objective gating.



Validated and scaled for clinical trials

Resolve is an enterprise-grade cloud-based tool that scales easily with increased file numbers and panel size. Available for all spectral instruments.

ENDPOINTS

Computational gating at scale.

Template-based gating introduces variability across operators, sites, and timepoints that compounds and becomes costly at data lock. Endpoints replaces manual gating with an objective computational strategy applied identically to every file.



Reproducible pipelines

Ozette's computational analysis workflows ensure consistency across sites and timepoints to reduce operator bias and time.



Clinical trial ready

Take advantage of computational gating for your pre-defined cytometry endpoints.



QC monitoring & assay optimization

Detect, diagnose, and remediate quality issues in near real-time, before they snowball into costly errors.

DISCOVERY

Surface the biology standard gating misses.

With 48 markers there are over 281 trillion possible phenotypic combinations. A gating template examines a few hundred. Discovery uses unbiased and unsupervised analysis to find every robustly detected immune population, including the rare phenotypes that predefined hierarchies miss.



Unrivaled depth

Identify low-abundance, low-incidence, and previously uncharacterized phenotypes for biomarker potential.



Rapid results

Purpose-built technology delivers insights in days instead of weeks with cloud-based dashboards and multi-scale data exploration.



Integrated AI agent

Leverage natural language to ask questions of your data, generate supporting data figures and answer questions instantly with real-time analysis.

Cleaner signal. Sharper biology.

Standardize gating at scale.

Annotate ALL present phenotypes.