

# IsoFlux System

## Comprehensive CTC detection and analysis from blood samples

The IsoFlux™ CTC System enables detection and molecular analysis of circulating tumor cells from a blood sample. The system combines proven immunomagnetic bead capture with Fluxion's patented microfluidic flow cytometry, delivering the highest CTC recovery and purity. Fluxion offers complete solutions for enumeration, protein marker detection, and ultra-sensitive next-generation sequencing.

### IsoFlux. Better by Design

The IsoFlux System has been proven globally as the superior platform for CTC detection and analysis. Leading laboratories globally rely on the IsoFlux system for CTC enrichment. Here's why:

- Highest levels of CTC recovery and enrichment deliver highest detection sensitivity, from a 10ml blood sample
- Proven results in hundreds of clinical studies
- Complete solutions for enumeration and marker detection
- Custom antibodies for novel isolation antibody development
- Prep kits for genomic analysis by NGS and ddPCR



The IsoFlux system combines the power of magnetic bead isolation with the precision of flow cytometry. Each cell in the sample is routed through a high-intensity magnetic field, ensuring maximum recovery efficiency and purity. The IsoFlux system can process 1-4 samples simultaneously, using a variety of standard antibody kits or user-defined antibodies.



### Instrument Specifications

Feature	Specification
Part number	950-0100. For research use only.
Throughput	16/samples per shift (4 in parallel)
Temperature control	4 - 8° C
Power Supply	110 – 220V (auto-ranging)
Protocol setup	Touch screen
Processing time	30 – 40 min
Enrichment kits	See below
Weight	130lbs (60kg)
Dimensions	16" (41cm) wide X 23" (58cm) tall X 24" (61cm) deep

### Enrichment Kits

Feature	Specification
Cell enrichment method	Immunomagnetic beads combined with microfluidic flow cytometer
Number of samples processed	8 per kit
Kit contents	8 microfluidic cartridges, immunomagnetic particles, Fc blocker reagent, binding buffer, protocol
Standard Kits	<ul style="list-style-type: none"> <li>CTC Enrichment Kit, EpCAM, PN 910-0091</li> <li>Enhanced Recovery Kit, EpCAM + EGFR, PN 910-0108</li> <li>EMT Kit with EpCAM, EGFR, Mesenchymal markers, PN 910-0106</li> </ul>
Custom Kits	Custom, user-conjugated antibodies, IgG, PN 910-0092

### Analysis Kits

Feature	Specification
Enumeration Kit	PN 910-0093. Includes reagents and antibodies to stain for CK+, CD45-, and nucleus. Sufficient reagent for 200 samples.
DNA prep kit	PN 910-0104. Includes secondary enrichment, DNA extraction, and WGA to prep sample for NGS or PCR. Processes 24 samples.

### ORDERING INFORMATION

Contact [orders@liquidbio.co](mailto:orders@liquidbio.co) to order.

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