The IsoFlux Liquid Biopsy System is designed to enable molecular analysis of tumor cells from a blood sample. The system combines proven immuno-magnetic bead capture with Fluxion’s patented microfluidic flow control, delivering the highest CTC recovery and purity. IsoFlux provides higher sensitivity and specificity of cancer mutation detection using conventional sequencing workflows.

IsoFlux delivers the NGS Liquid Biopsy to Your Lab- Today!

Liquid biopsy analysis via NGS is now ready to run in your lab, on your sequencer! More than 40 laboratories have already adopted the IsoFlux system. Here’s why:

- Validated workflows for Illumina and Ion Torrent sequencers
- Compatible with numerous commercial somatic variant panels
- Highest levels of CTC recovery and purity deliver highest detection sensitivity of liquid biopsy approaches, from a 10ml blood sample
- New antibody cocktails proven to recover CTCs undergoing EMT
IsoFlux Liquid Biopsy

Comprehensive, high sensitivity cancer analysis from blood samples

IsoFlux System Specifications

- Throughput: 16 samples/day (4 samples in parallel)
- Enrichment Kits Available:
  - CTC Enrichment Kit (EpCAM)
  - Enhanced CTC Kit (EpCAM+EGFR)
  - EMT Enrichment Kit (4 markers)
  - Race Cell Kit (custom markers)
- Amplicon Panels Validated:
  - Illumina Trusight Tumor Panel
  - Qiagen GeneRead V2
  - Ampliseq CHP V2
  - Swift 56G
- Analytical Sensitivity: 2 cells / ml blood

Learn more about the IsoFlux System:

- Poster - Somatic mutation detection using CTC samples from parents with renal cell and prostate cancer: http://bit.ly/1SoTD5Q
- Poster - Mutational analysis from circulating tumor cells using NGS: http://bit.ly/1QSQ9Dg
- Article - Mutational Analysis of CTCs Using a Novel Microfluidic Collection Device and qPCR Assay: http://bit.ly/1RMQn1O

The IsoFlux System is registered with the US FDA as a Class 1 medical device. IsoFlux enrichment kits are for Research Use Only.

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