

Parsortix® PR1 system. Capture and harvest circulating tumor cells from blood



Simple. Easy. Flexible. Customizable.

The Parsortix® PR1 system gives translational researchers the power to capture and harvest circulating tumor and other cells of interest from 100 µL to 40 mL blood samples, providing greater flexibility in downstream analysis.

The Parsortix PR1 system addresses the need for:

- Highly enriched cell populations
- Epitope independence, agnostic to cell phenotype
- Viable cells
- CTC clusters
- Research flexibility
- Simple, easy process

Flexible downstream molecular analysis

Choose from in-vitro staining or harvesting cells for:

- FISH
- WGA
- qPCR
- IHC
- NGS
- Enumeration

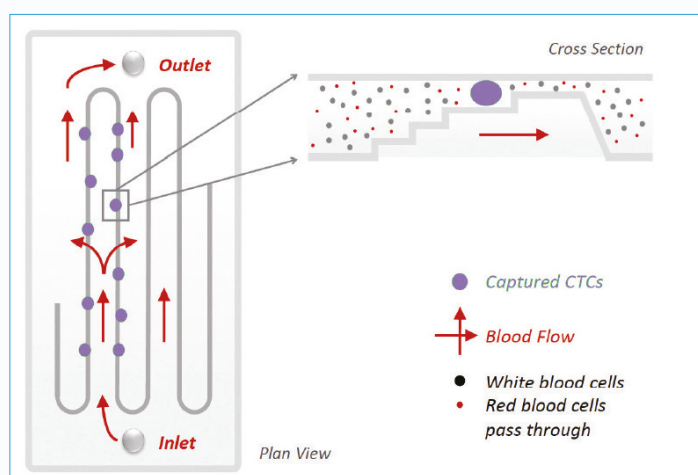
Health conditions investigated

The Parsortix PR1 system captures cancer cells from blood, as well as fetal cells from maternal blood. Peer reviewed publications evidence the efficacy of the system with a wide range of cancer types including:

- Breast
- Lung
- Ovarian
- Prostate

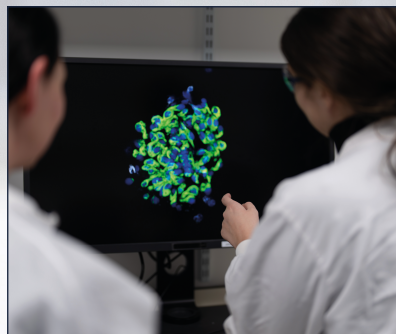
“Unprecedented sensitivity and specificity.”

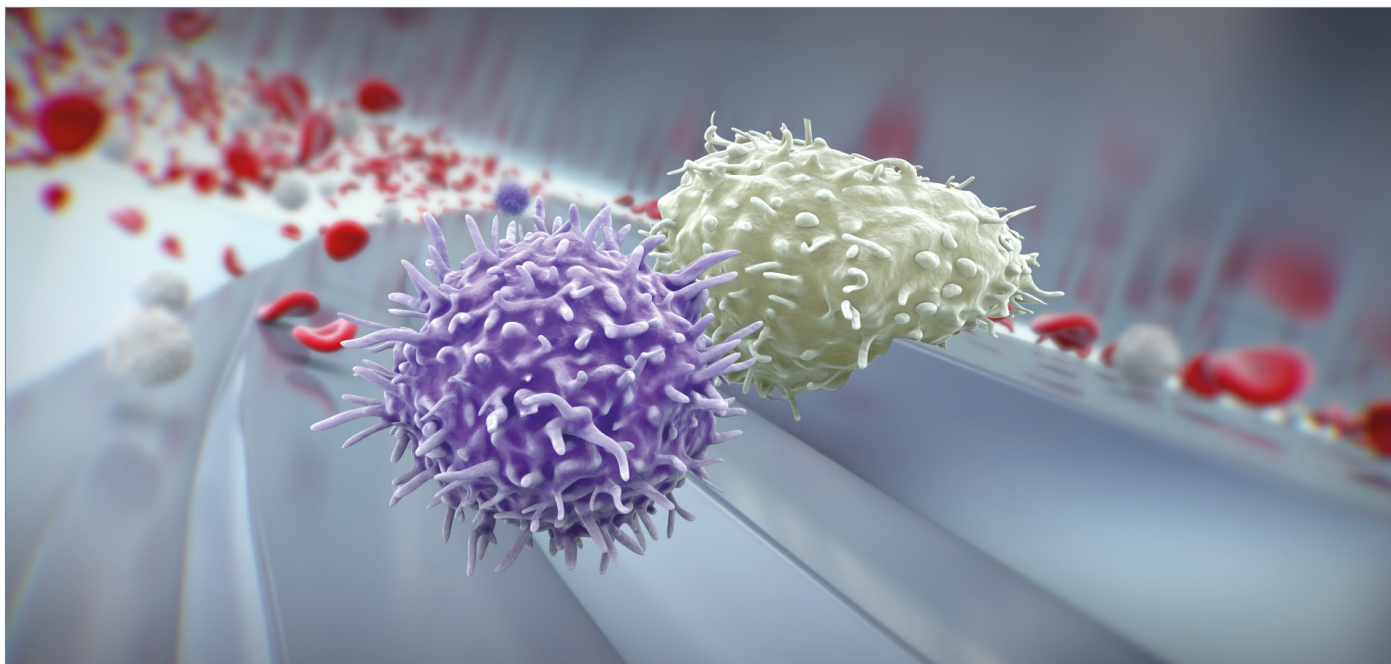
Medical University of Vienna¹



Patented step separation technology

Microfluidic technology captures cells, based on size and deformability, as whole blood flows through “steps” within the disposable, plastic Parsortix cassette.





Circulating tumor cells are captured as they cannot pass through the critical gap within the Parsortix cassette.

● Red blood cells ○ White blood cells ● Circulating rare cells

A semi-automated, walkaway system, the Parsortix PR1 system requires no sample pre-processing; just prime the cassette, insert a blood sample tube and press start. Examine cells under a microscope in the cassette, or reverse the flow to harvest cells from the cassette to a test tube for further analysis.



To discuss how we can support you, contact us at:
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For Research Use Only. Not For Use in Diagnostic Procedures.

1 Circulating Rare Cells Enable Highly Efficient Cancer Detection, Medical University of Vienna, poster presentation, American Association of Cancer Research conference, April 2012.

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