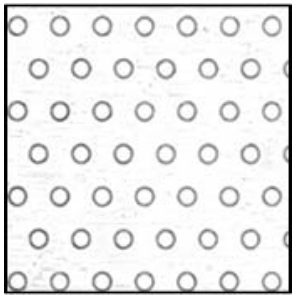
CellSieve™ Microfilters



Specifications

- Pore diameter – 8 µm
- Thickness – 10 µm
- Microfilter size – 13 mm
- 160,000 pores within 9 mm diameter

CellSieve™ Microfilter Properties

- Transparent polymer
- Not fluorescent
- Lies flat on microscope slide
- Biocompatible
- High tensile strength (75 Mpa)
- Uniform pore size, high porosity
- Straight, parallel pores
- Thermally stable to 150°C
- Acid, alkali and solvent resistant

CellSieve™ CTC Enumeration Kit . . . . . 10 reactions

For Research Use Only. This product is not intended for in vivo or diagnostic use. Performance, safety, and effectiveness have not been established and this kit is not approved by the FDA.

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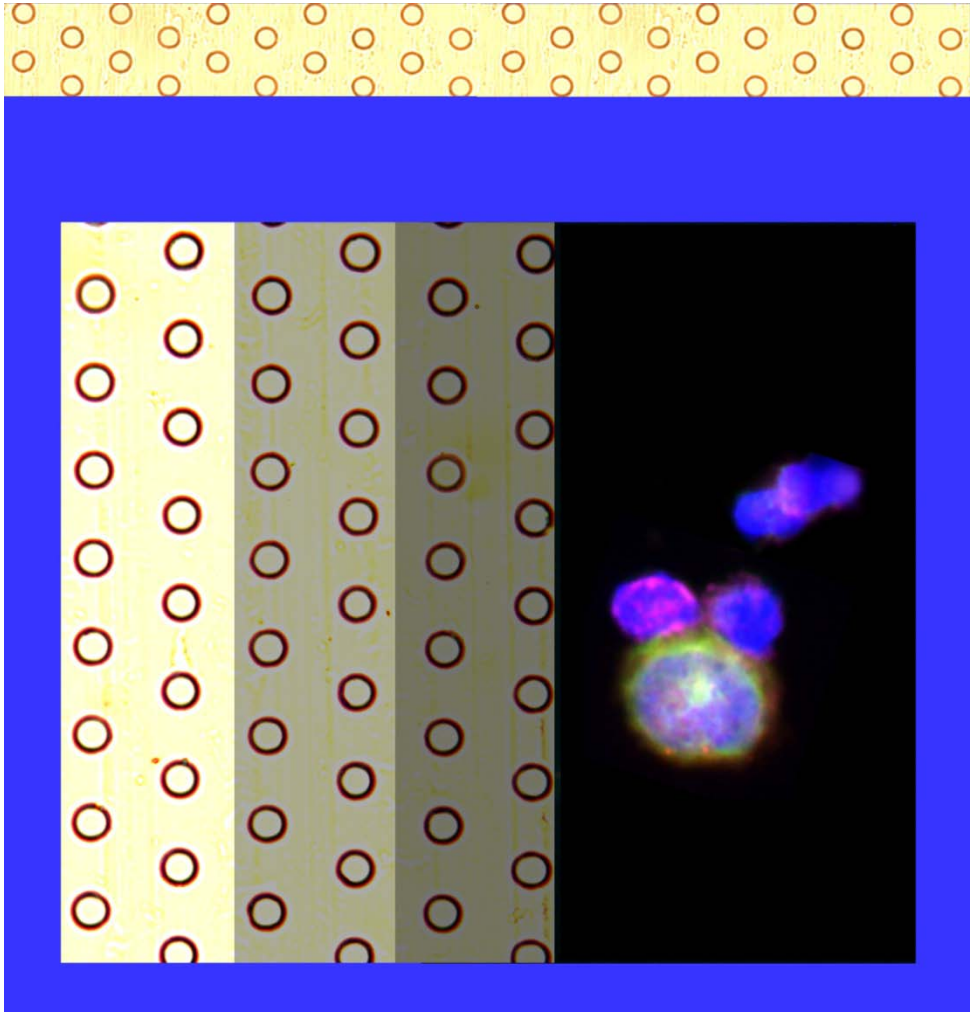
CellSieve™ Technology

Rapid Isolation of Circulating Tumor Cells



CellSieve™

CREATV MicroTech

Personalized Cancer Therapy and Disease Monitoring

"**Liquid biopsy**" using circulating tumor cells (CTCs) is potentially a minimally invasive alternative to traditional tissue biopsy to determine cancer therapy.

Enumeration of CTCs can be used to indicate prognosis and to monitor treatment.

Isolation of CTCs by size exclusion is a widely researched technique to collect CTCs from patient peripheral blood. Creatv's precision fabrication method produces microfilters with dense, uniform pores.

CellSieve™ Microfiltration Benefits

- High CTC recovery
- Highly reproducible results
- Rapid sample processing
- High quality imaging of cells
- Not dependent on surface marker expression for capture

CellSieve™ Applications

- Enumeration
- Fluorescence *in situ* hybridization (FISH)
- Surface marker assays
- Nucleic acid assays
- Culture
- Enzymatic activity
- Histological staining
- Sequencing

Recovery of cell lines from 7.5 mL of blood in 2 minutes

	MCF-7	SKBR-3	MB453	LNCaP	PC3
Fixed Samples	98±3%	98±0%	96±3%	99±2%	95±4%
Unfixed Samples	85±6%	90±4%	93±7%	89±9%	89±8%