



Showcasing research from Bosch Corporate Sector Research and Advance Engineering (CR, Renningen) and Professor Zengerle's laboratory in the Department of Microsystems Engineering (IMTEK) at the University of Freiburg, Germany.

Highly efficient isolation and multistep analysis of tumor cells from whole blood

Efficient on-chip isolation and analysis of tumor cells in blood samples was achieved using a microfluidic device. The core element was a silicon microcavity array with a novel decanting method, resulting in high precision and minimal cell loss, promising for point-of-care applications (image generated with Google Gemini 1.5 Pro).

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As featured in:



See Michael Knapp *et al.*,
Lab Chip, 2025, **25**, 1938.