

Flow Cytometry Using Electroosmotically Induced Pressures

Disclosure Number

200000806

Technology Summary

A microchip designed to perform spatial confinement of a sample in two dimensions in an electric field-free region on the microchip. The microchip uses a bridging membrane or junction to effect electroosmotically induced pumping and channels proportioned appropriately to give the desired flow ration of buffer and sample at the cross intersection.

Inventor

RAMSEY, JOHN M

Chemical Sciences Division

Licensing Contact

SPECK, ROBERTA R

UT-Battelle, LLC

Oak Ridge National Laboratory

Rm 141, Bldg 4500N, MS: 6196

1 Bethel Valley Road

Oak Ridge, TN 37831

Office Phone: (865) 576-4680

E-mail: SPECKRR@ORNL.GOV

Note: The technology described above is an early stage opportunity. Licensing rights to this intellectual property may be limited or unavailable. Patent applications directed towards this invention may not have been filed with any patent office.