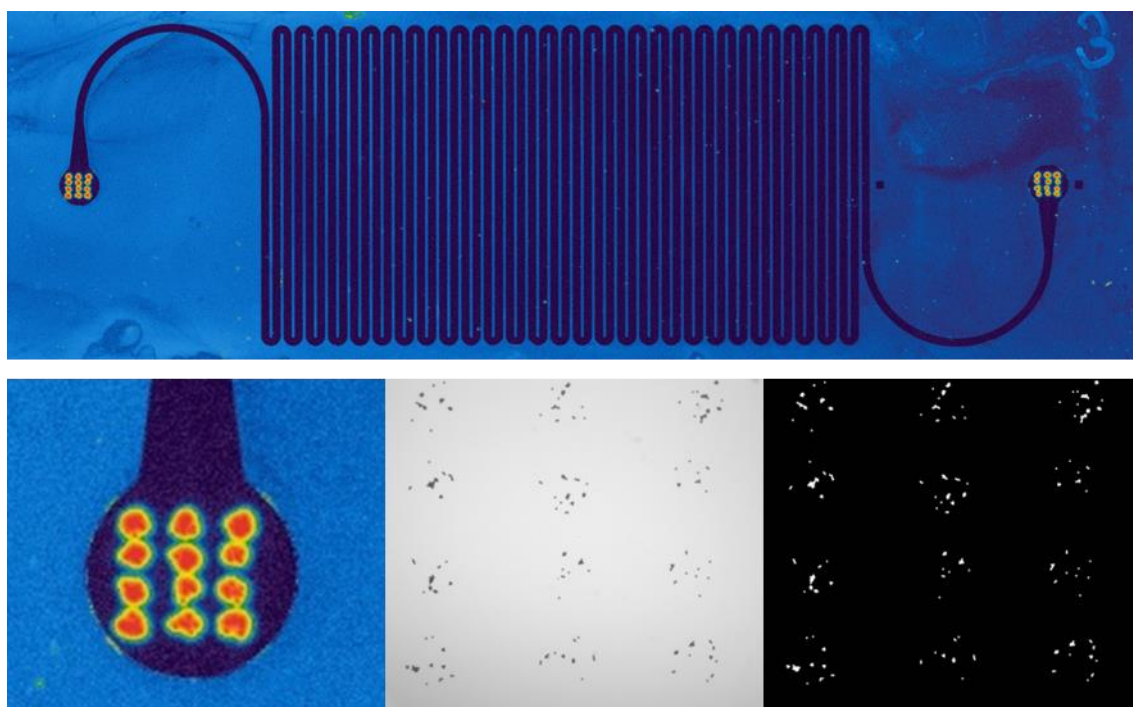


Bead Arrays for Performance Evaluation of Fluorescence-based Imaging Systems

Application Note

Fluorescent Spectrum Calibration Microbeads from PolyAn GmbH (Berlin, Germany) have been spotted by Microdrop Technologies GmbH (Norderstedt, Germany) into a bead-based microarray at the inlet/outlet ports of a microfluidic chip manufactured by Little Things Factory GmbH (Elsoff, Germany).

PolyAn's Spectrum Calibration Microbeads can be applied to evaluate the performance of confocal fluorescence microscopes and other imaging-based systems. The beads can be used to measure the instrument's sensitivity regarding fluorescence intensity, size determination, and particle counting. In addition, the beads enable monitoring of day-to-day performance, and comparison of different fluorescence-based instruments.



PolyAn's Spectrum Calibration Beads are designed for calibration, performance evaluation, and comparison of fluorescence-based imaging systems such as imaging cytometry. The beads contain a mixture of fluorophores that can be excited at any wavelength from 365–650 nm, and allow a performance validation within most common detection channels.

Collaboration partners:

microdrop
TECHNOLOGIES

www.microdrop.de



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