

## Droplet based microfluidics

With the Opto digital inverse microscope profile M

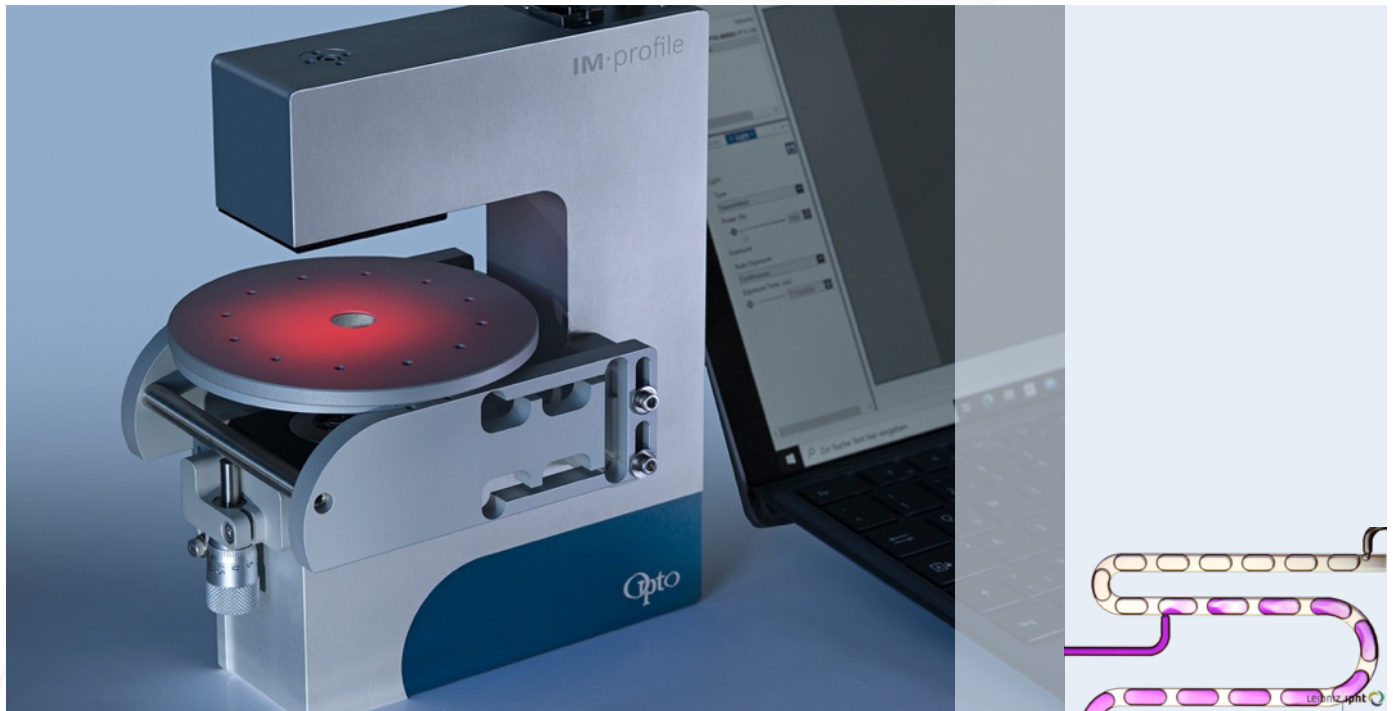


Fig. 1: Microfluidic droplet generation process with additional dosing unit

### Customer-Task:

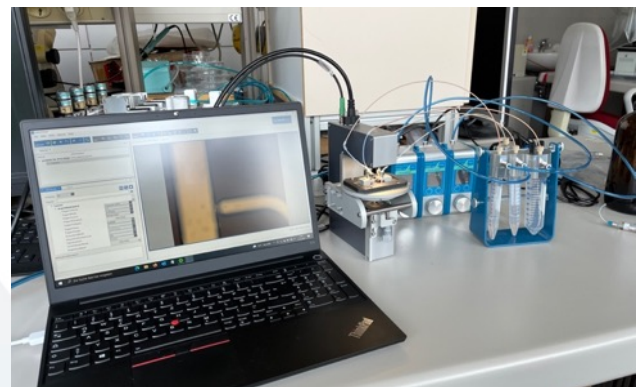
- Screening
- Reaction kinetics
- Rare molecule detection
- Gene expression detection
- Single-cell analysis
- Pathogen detection
- Quality control & assurance

### Solution:

- Imaging Module profile M
- Monochrome or colour version
- Easy to use and free OptoViewer 2.0 software
- Image Processing
- Plug Ins available
- Integrated transmission illumination
- Direct measurement without calibration
- USB 3.0 / GigE available – Plug and Play

### Advantage for customer:

- Pure all in one digital microscope
- Nano / pixel Resolution with large FoV
- High Contrast and Color stability
- Repeatability of Image
- Open software architecture
- Easy machine integration
- Ultra compact design



04/2022 - Design and technical development are subject to change without notice. © Opto GmbH | LS\_M\_M\_IP\_22-01.2

Fig. 2: Microfluidic droplet generation process with additional dosing unit