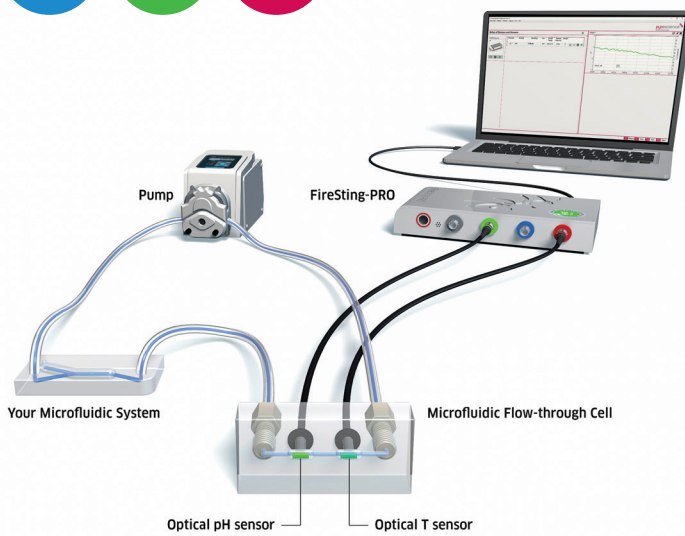
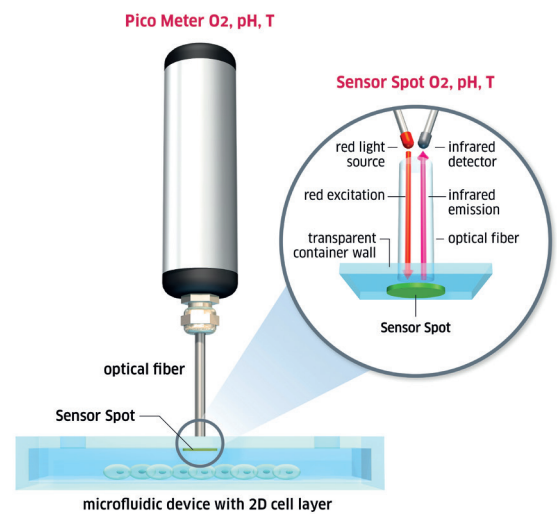


# Sensing in Microphysiological Systems

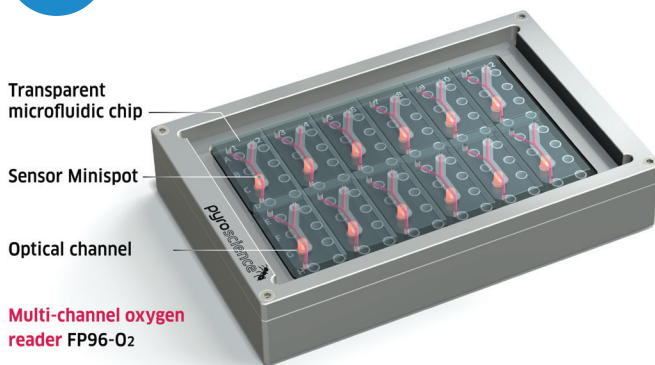
## Unlock Easy and Continuous Monitoring



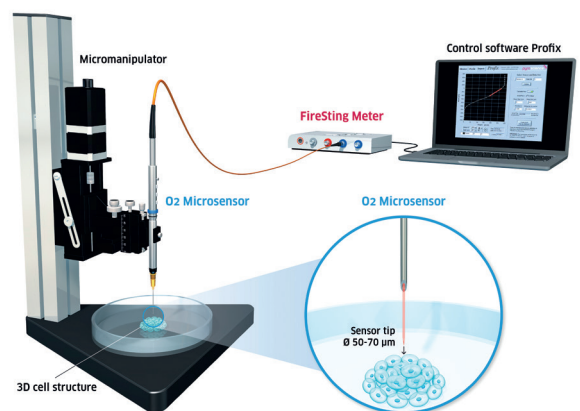
Microfluidic Flow-Through Cells



Sensor Spots



Integrated Minisensors

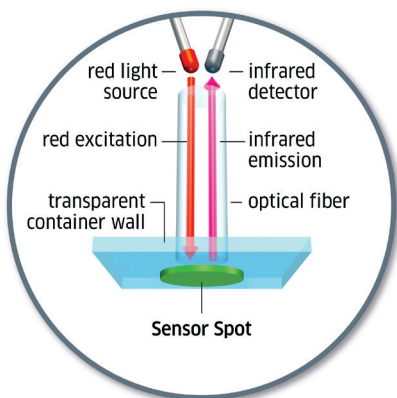


Microsensors

## FirePlate-O<sub>2</sub>, FireSting<sup>®</sup> Meter, PICO OEM Modules

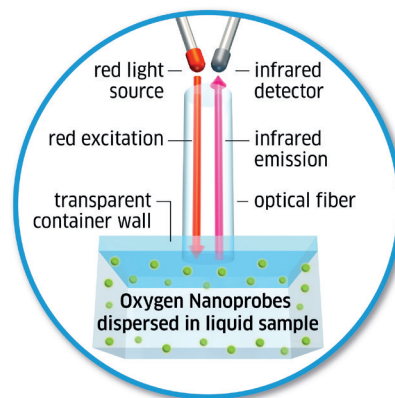


## Sensor Minispots, Nanoprobes or Microsensors



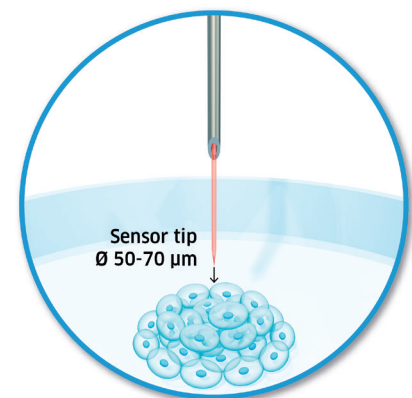
### O<sub>2</sub>, pH & T Sensor Spots

- several pH ranges (pH 4-9)
- (trace) oxygen
- optical temperature
- pre-sterilized or sterilizable
- O<sub>2</sub> minisensor integration service



### O<sub>2</sub> Nanoprobes

- disperse in medium
- ideal for microfluidics
- no sensor integration
- sterilizable



### O<sub>2</sub> Microsensor

- micro-invasive
- sensor tip 50-70 µm
- profiles along gradients
- in cell aggregates, spheroids

For 2D & 3D Cell Cultures, Tissue Engineering, Microfluidics and Organ-on-Chip Applications