

Smart cell culture dish

Label-free multiparametric imaging

Sensory coating for non-invasive monitoring of cell cultures

Technology

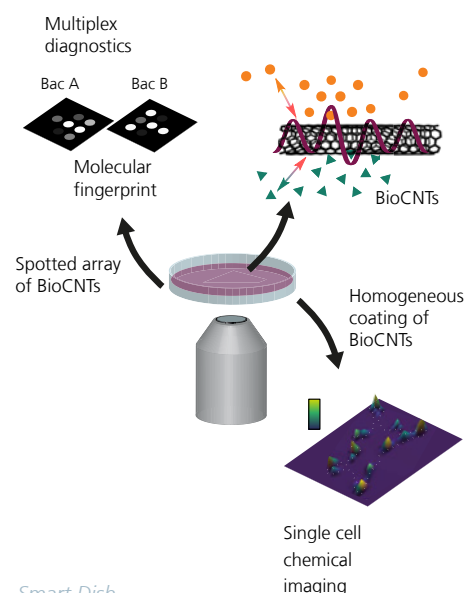
Biosensing coating of functionalized carbon nanotubes (CNT) that optically display the presence of target molecules

Customer benefits

- Multi-parametric, long-term and label-free biosensing and chemical imaging
- No spectral overlap with traditional fluorescence techniques
- Adaptable for different culture dishes, plates, and flasks

Technical advantages

- Bioselectivity and CNT emission wavelength are customizable
- Signals in near infrared regime, no bleaching
- Homogeneous and spotwise coating on various substrates



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Application fields

Monitoring of metabolic activity for advanced gene therapies

High-resolution imaging of neurotransmitters to study cell communication

Spatial resolution limited only by optical resolution

Continuous monitoring of cell culture sterility

Contact and further information

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