
Microfluidic Flow Battery

Microfluidic platforms enabled the development of lab-on-a-chip devices that significantly reduced diagnostic turnaround times. These devices utilized nucleic acid amplification techniques such ...

Microfluidic devices and systems have been progressively used as versatile research tools in different fields, including chemical engineering, biotechnology, pharmaceuticals, and medicine. ...

This hybrid device allowed researchers to establish hypoxic zones of precise dimensions and geometry inside microfluidic cell culture chambers. Chen et al. [46] took yet another approach, ...

Microfluidic technologies have garnered significant attention due to their ability to rapidly process samples and precisely manipulate fluids in assays, making them an attractive alternative to ...

The biochip is a solid, miniature substrate that may accommodate several test locations, allowing for concurrent biochemical investigations and reactions. In essence, it is a ...

Microfluidics is the engineering or use of devices that apply fluid flow to channels smaller than 1 millimetre in at least one dimension. Microfluidic devices can reduce reagent ...

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