

## Accepted Manuscript

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## Tunable and quantitative serial dilution on multi-channel miniaturized microfluidic electrochemical platform

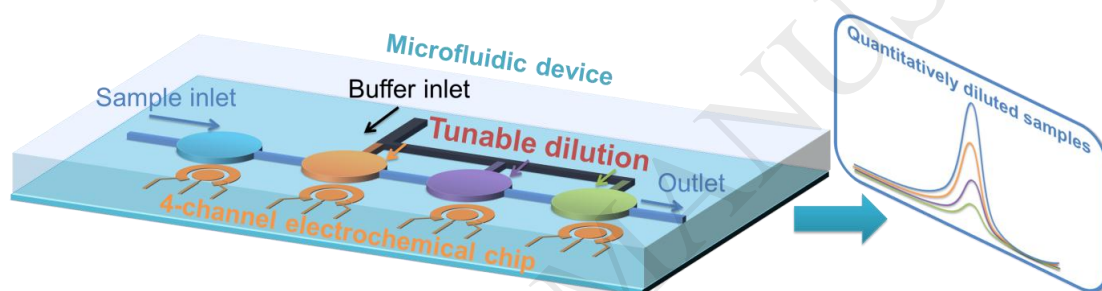
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### Graphical abstract



Tunable and quantitative serial dilution on a multichannel microfluidic electrochemical platform

### Highlights for review

- This work implements tunable and quantitative serial dilution on a multichannel microfluidic electrochemical platform.
- The electrochemical platform can continuously share and dilute samples from prior channels, which effectively reduces sample cost with only one outlet required.
- The miniaturized electrochemical platform was established with microfabrication process and tested to validate its performance.

**Abstract:**

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