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Lateral Flow Aptamer Assay Integrated Smartphone-based Portable Device for Simultaneous Detection of Multiple Targets Using Upconversion Nanoparticles

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Highlights

- A lateral flow aptamer assay (LFAA) integrated smartphone-based portable device was developed.
- Aptamers functionalized multi-colored upconversion nanoparticles were used as probes.
- The probes can provide analysis of three targets with different analyte-

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