Special Issue

Quantitation in Lateral Flow Immunoassays: Self-Contained Reading to Stand Alone Instruments and Cellphones

Message from the Guest Editors

The lateral flow immunoassay (LFIA) method is one of the most successful and versatile strategies in point-of-need applications. The past decades have witnessed a terrific evolution in lateral flow immunoassay technologies, and lateral flow immunoassays are becoming well suited to replace laboratory-based immunoassays in point-of-care testing locations. The Special Issue, titled " Quantitation in Lateral Flow Immunoassays: Self-Contained Reading to Stand Alone Instruments and Cellphones", regroups the various innovation attempts in order to bring more versatile features (proof-of-value) to conventional lateral flow immunoassays, such as the ability to quantitate; thus, enabling new medical niche markets to be served, including POCT at home. Quantitation can be done by creating new system configurations, adapting instrumentation to provide quantitative data on the signals produced, and finally how cellphones will enable home monitoring and their connection to the cloud/artificial intelligence/big data ecosystem.

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