Quantitative Lateral Flow Assay

A quantitative lateral flow assay (LFA) is a type of **in vitro diagnosis** that combines the simplicity and rapidity of lateral flow assay technology with the ability to provide quantitative results, either by using a portable reader or a smartphone.

Lateral flow assays are commonly used for point-of-care testing, as they are easy to use, portable, and do not require specialized laboratory equipment. raditional lateral flow assays, like pregnancy tests, yield qualitative results that usually indicate the presence or absence of a target analyte. In contrast, quantitative lateral flow assays strive to gauge the concentration or quantity of a particular analyte within a sample. In numerous medical conditions, comprehending the analyte or biomarker's concentration holds importance beyond a binary yes or no outcome.