

A look through Rapid Diagnostic Tests (lateral flow tests)

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Lateral flow tests are the most popular type of rapid diagnostic tests, being widely used in point-of-care¹ applications such as pregnancy tests or for the detection or SARS-CoV-2 infection. Lateral flow tests stand out for their inexpensiveness, portability, ease of use and for being battery/equipment-free. To highlight that the inclusion of nanomaterials in lateral flow tests²⁻⁴ can boost the capability of these devices allowing even to quantify the response at naked-eye or with a smartphone⁵. The objective of this tutorial talk is to introduce the concept of how do lateral flow tests work and the different components of a lateral flow paper strip (figure 1).

References

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Figures

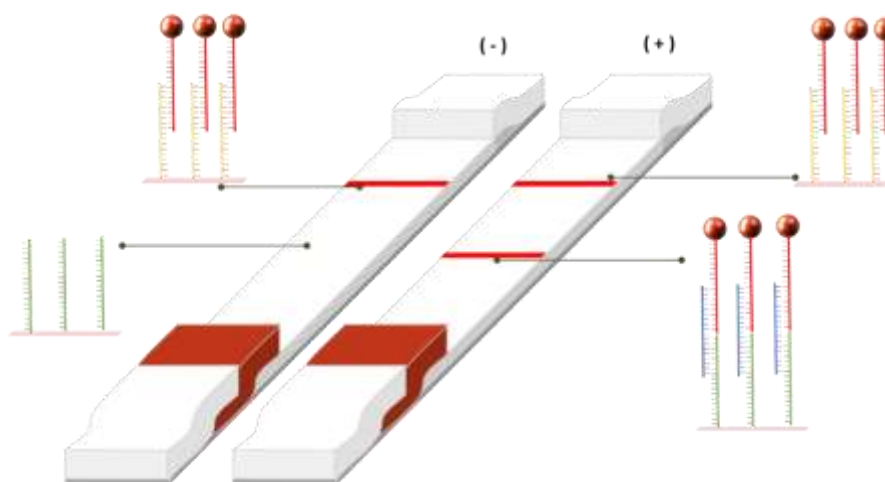


Figure 1. Components of a lateral flow strip