

Version 2

Dec 18, 2020

Coronavirus Lateral Flow Assay (LFA) operation protocol v2 V.2

In 1 collection

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Works for me

dx.doi.org/10.17504/protocols.io.bqvpmw5n

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ABSTRACT

Coronavirus Lateral Flow Assay (LFA) operation protocol

DOI

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PROTOCOL CITATION

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COLLECTIONS

**Highfield Diagnostics COVID19 LFA Protocol v.2**

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45711

PARENT PROTOCOLS

Part of collection

[Highfield Diagnostics COVID19 LFA Protocol v.2](#)

MATERIALS TEXT

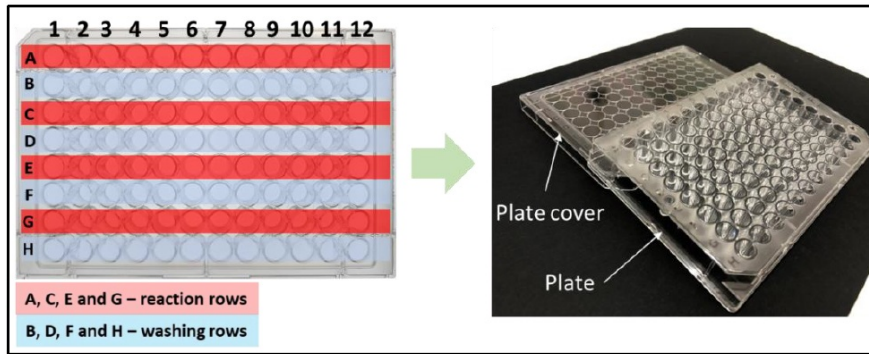
MATERIALS

 **PBS Invitrogen - Thermo Fisher**

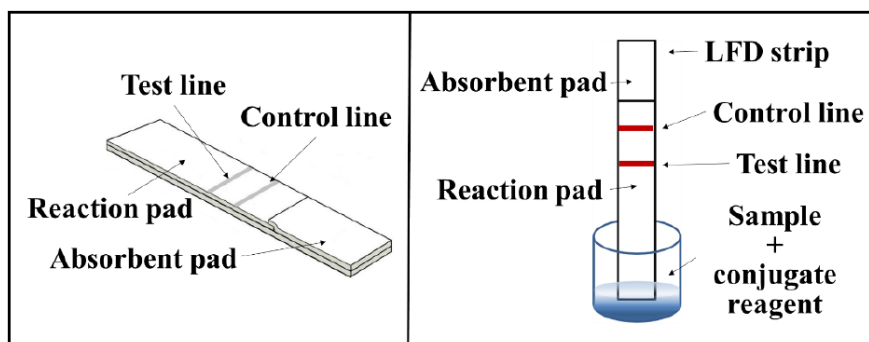
ABSTRACT

Coronavirus Lateral Flow Assay (LFA) operation protocol

- 1 Place ELISA plate on lid so that angled towards you.



- 2 Vortex conjugate to mix (gold particles settle out) and pipette **1 µl** into front of first well (A1).
- 3 Pipette **50 µl PBS** into first well of next row (B1).
- 4 Add **40 µl** of sample (follow the sample preparation protocol for sample preparation) to conjugate and mix by pipetting, keeping mixture at front of well.
- 5 Place bottom end of LFA strip in conjugate/sample mixture.



- 6 Allow reagents to move up strip by capillary action for approximately **00:23:00** 23m
- 7 Transfer strip to PBS well for approximately **00:02:00** 2m to wash away unbound gold conjugate and improve signal vs background.
- 8 Read results on strips. The upper band (control line) should be present in all samples, ensuring correct performance of the assay. The 'test line' will appear below the 'control line' if the sample is SARS-CoV-2 positive.

