Resource Summary Report

Generated by dkNET on Sep 7, 2026

Pinpoint Science 30-Second Covid-19 Test Protocol

DOI:10.17504/protocols.io.bkxmkxk6
Type: Protocol

Proper Citation

lisa.diamond 2020. Pinpoint Science 30-Second Covid-19 Test Protocol. protocols.io dx.doi.org/10.17504/protocols.io.bkxmkxk6

Protocol Information

URL: https://dx.doi.org/10.17504/protocols.io.bkxmkxk6

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Group: XPRIZE Rapid Covid Testing

Summary: Pinpoint's nanosensor-based platform detects SARS-CoV-2 antigen by (1) measuring baseline current through our functionalized nanosensor chip in ordinary PBS buffer; (2) measuring the change in current at specific voltage ranges after insertion of the specimen as a result of binding between probe aptamer and target antigen; (3) computing delta between these two measurements. These measurements and computations are performed internally in quadruplicate, with four separately measured nanosensor channels. Consolidated results are reported to the user as {Detected; Not Detected; Inconclusive; or Error}.

Affiliations: Pinpoint Science Inc.

Version: 1

Publication Date: 2020

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Record Creation Time: 20210329T220530+0000

Record Last Update: 20210329T220951+0000

Data and Source Information

Source: