



Health Technology Review	
Technology Ref.:	HTA20003
Technology Name:	iSTOC Mobile Diagnostics and Analytics for Infectious at Point of Care (PoC)
Approvals by International Bodies:	iSTOC COVID-19 IgM/IgG Rapid Diagnostics Test – CE Mark and PEUA, and FDA filed
Company name:	iSTOC Diagnostics Solution
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Short Description of the Technology:	<p>iSTOC (Finland) Mobile Diagnostics and Analytics for Infectious Diseases at Point of Care (PoC) integrates POC diagnostics, machine vision, mobile technology and cloud computing. The globally scalable end-to end solution has been proven to be a powerful tool in disease surveillance and surveillance data analytics. The iSTOC IDA (immediate diagnostics and analytics) IDR (infectious diseases reader) solution consists of a COVID-19 IgM/IgG rapid diagnostics test (RDT) kit, smartphone mobile reader application (IDR) and an analytics (IDA) backend solution. With very minimal instructions to untrained staff, the IDA-IDR solution can be deployed to capture digitized diagnostic data. The data can be verified and analyzed in 3 simple steps. The IDR mobile application can be used by a test operator at a point of care screening site or by a technician in the field. After the scan has been performed the results of the RDT are available immediately on both the IDA-IDR mobile application and the IDA backend service. This ensures the data is immediately available where it is actionable, either at the screening site or at a central care facility. IDA-IDR solution can also communicate directly with legacy healthcare systems, laboratory systems or medical records systems through IDA API. Healthcare professionals at a central care facility, such as health center, can receive measurement results, treatments logs and any images describing potential problems or disease symptoms, via the IDA backend service. This enables a real-time consultation between the mobile application user and a healthcare professional at a central care facility.</p>
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Health Technology Assessment Team Recommendation:	Disapprove
Summary of Review:	

Advantages	Disadvantages
Low cost than PCR	Blood test is not effective and not accurate for COVID-19 detection
Rapid results obtained	Rapid test kits for COVID-19 in blood sample is still not approved
Easy to use and point of care test	Require confirmation with PCR
Use machine vision technology rather than human visual inspection	

We recommend a **disapproval of using this technology** due to the following:

1. Rapid test kits for COVID-19 using blood samples is not being proven its effectiveness

Technology Image

1) TAKE A TEST
Nurse or patient takes a rapid test.

2) READ THE TEST
The test is scanned by the Reader in a mobile phone.

3) STORE RESULT
IDA Secure Cloud test results immediately for diagnosis.

iSTOC IDA POWERED BY ISTOC
ENSURING BETTER LIVES

COVID-19
COVID-19 IgM/IgG Antibody Test
Store at 2°-28°C

iSTOC Diagnostics Solution is certified by FDA CE and HIPAA Compliant