

# Negative predictive value of the FebriDx host response point-of-care test in patients presenting to a single Australian Emergency Department with suspected COVID-19.

ACTRN12620001029987

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Status	RECRUITING
Sponsor	Planet Innovation
Enrollment	300 participants

## Plain Language Summary

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During the COVID-19 pandemic, hospitals were flooded with patients who needed testing — but waiting many hours for lab PCR results caused significant delays and created risk of spreading infection in waiting areas. This study evaluated a rapid finger-prick blood test called FebriDx, which measures two proteins that the body makes in response to viral infections and gives a result in just 10 minutes.

The study took place at Box Hill Emergency Department in Melbourne and aimed to find out how accurately FebriDx could predict a negative COVID-19 PCR result — in other words, how reliably it could rule out COVID-19 quickly so lower-risk patients could be moved more safely and efficiently through the department.

Adults and children aged 2 and over who met the criteria for COVID-19 testing at the emergency department were eligible. People who were critically unwell, had symptoms for more than 14 days, had recent antibiotic or antiviral use, or had received certain immunosuppressive treatments were not eligible.

## Key Eligibility Criteria

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### Inclusion (2)

- Adult and paediatric patients (aged 2 and over) who meet the current Eastern Health case definition for COVID-S PCR testing at their time of ED presentation will be eligible for inclusion
- Able to read an English language PICF and provide in person informed consent or consent for a minor for whom they are responsible for.

### Exclusion (9)

- Patients having COVID-S screening testing who do not meet the Eastern Health case definition at the time of testing (eg. asymptomatic pre-operative screening, asymptomatic patients awaiting private hospital transfer).
- Patients who are critically unwell, where the treating clinician feels that testing might interfere with their immediate clinical care.
- <2 years of age
- acute respiratory symptom onset >14 days prior to testing
- current Immunosuppressive or interferon therapy
- ... and 4 more (see full listing online)

## Locations (1 total)

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Box Hill Hospital - Box Hill, VIC, Australia

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<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12620001029987>

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