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Glossary

## Saliva Diagnostics

### Research type

Research Study

### Full title

Investigation into the use of a novel diagnostic device for the detection of biomarkers in saliva

### IRAS ID

275637

### Contact name

David Klug

### Contact email

[david@vidyahealth.com](mailto:david@vidyahealth.com)

### Sponsor organisation

Vidya Health Ltd

### Duration of Study in the UK

5 years, 0 months, 0 days

### Research summary

Saliva contains most of the same proteins and nucleic acid markers that can be found in blood. The central challenge to using saliva as a diagnostic matrix is that these markers are generally present at much lower concentrations. Vidya has developed ultrasensitive measurement technology, with single molecule sensitivity which enables very low levels of molecular marker to be quantified. The heart of the technology is a sandwich assay format, miniaturised within a microfluidic device and analysed with single molecule sensitivity. This is a proof of concept study. Participants will donate saliva for a range of conditions along with age/stage matched healthy donors. The aim is to show statistical significance in our ability to distinguish samples from healthy vs diagnosed samples. Samples will be collected from donors with a range of conditions including but not limited to cancers, liver and kidney conditions, diabetes, pregnancy related conditions, cardiovascular, inflammatory and infectious conditions and conditions of the oral cavity.

### REC name

Yorkshire & The Humber - Bradford Leeds Research Ethics Committee

### REC reference

20YH/0016

### Date of REC Opinion

20 Jan 2020

### REC opinion

Favourable Opinion

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