



**UNSW**  
SYDNEY



## Breath Analysis

**Breath analysis using Sorbent tubes and GC-MS/O technology to analyse Volatile Organic Compounds (VOCs) offers a non-intrusive alternative to traditional biopsies and blood tests.**

### Competitive advantage

Advantages include:

- Non-intrusive breath sampling as a suitable alternative for biopsies and blood tests
- Assessment of accuracy of the technology as it emerges
- Fast diagnosis opportunities that could take less than 40 minutes
- Simple use and application for patients and hospital staff

### Impact

- Less intrusive sampling for patients
- Benchmarked methodology can be applied to further research

### Capabilities and facilities

- Gas Chromatography-Mass Spectrometry/Olfactometry to characterise VOCs, which comprises a GC-MS (Agilent 6890GC/5973MSD) coupled to an ODP (Olfactory Detection Port, Gerstel)

### Our partners

- The Royal Hospital for Women
- Prince of Wales Clinical School

### More Information

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