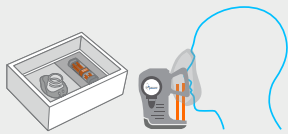


Breath Biopsy[®] Products and Services

Breath Biopsy provides a reliable and reproducible way to collect and analyze Volatile Organic Compounds (VOCs) on breath. VOCs offer a rich source of biomarkers for a large variety of diseases.

Discover and analyze VOC biomarkers in our Breath Biopsy Laboratory or your own lab.

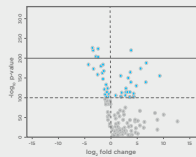
Breath Biopsy Services



Install **Breath Biopsy Collection Station** with **ReCIVA Breath Sampler** at clinical trial sites; **Breath Biopsy Kits** provided to sites for sample collection



Send Breath Biopsy samples to Owlstone Medical for **comprehensive VOC analysis**



Owlstone Medical performs statistical analysis such as **machine learning** and delivers a report including **biological interpretation**

Integrate Breath Biopsy into your Clinical Trial

Owlstone Medical has developed a rigorously quality controlled Breath Biopsy Services workflow, that enables clients to smoothly incorporate breath research into new and existing clinical studies.

Breath Collection

We install the Breath Biopsy Collection Station at your clinical trial sites to enable breath samples to be collected reliably and reproducibly using the ReCIVA Breath Sampler. We provide site initiation (installation and training) and scheduled maintenance throughout the study lifetime.



Sample Analysis

We provide a regular supply of 2.0 Breath Biopsy Discovery VOC Kits, manufactured and quality checked to the exacting standards required for the analysis of VOC biomarkers in breath. Samples are shipped under ambient conditions to our Breath Biopsy Laboratory for comprehensive VOC analysis using our thermal desorption-gas chromatography-mass spectrometry (TD-GC-MS) Breath Biopsy platform.



Data Analysis

Our data science team uses statistical analysis including machine learning algorithms to analyze the VOC profile. This is combined with subject medical history and clinical labels, in order to distinguish between patient populations. You receive a comprehensive report detailing the results of our analysis, including biological interpretation of the results.



Learn more at:

owlstonemedical.com/services

Download the Example Report:

owlstonemedical.com/discovery-services



Breath Biopsy Products

Bring breath VOC biomarker research to your own laboratory.

Breath Biopsy Collection Station

The Breath Biopsy Collection Station incorporates the ReCIVA Breath Sampler and the CASPER Portable Air Supply in a single portable unit.



- Designed to enable non-invasive, reliable and reproducible collection of VOC biomarkers in breath samples
- ReCIVA learns the subject's breathing pattern through in-built CO₂ and pressure sensors which facilitate the selection of different volumes and fractions of breath
- Pre-concentrates a larger volume of breath into Breath Biopsy Cartridges, enabling even VOCs present at low levels to be detected
- Designed for ease of use with high patient safety and comfort
- CASPER Portable Air Supply minimizes contamination of breath samples by external VOCs
- Used by researchers in over 100 sites around the world

owlstonemedical.com/reciva

1.0 Breath Biopsy Collection Kits

Everything you need to collect a breath sample using the ReCIVA Breath Sampler.

- A Breath Biopsy Cartridge (conditioned and QC-checked) to collect and store the breath sample
- A single-use Breath Biopsy Mask (vacuum sealed and ready-to-use), coated to minimize contamination by VOCs
- No special handling or shipping requirements for transport of breath samples

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Lonestar VOC Analyzer

An easy-to-use instrument for the detection of VOC biomarkers in breath samples.

- Based on Field Asymmetric Waveform Ion-Mobility Spectrometry (FAIMS)
- Rapid, sensitive (ppb/ppt) and selective detection ideal for screening or targeted VOC analysis
- Multidimensional FAIMS data allows for enhanced separation
- Integrate with thermal desorption and gas chromatography for sample introduction and separation

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Discover the range of Breath Biopsy Kits:



1.0 Breath Biopsy Collection Kit



2.0 Breath Biopsy Discovery VOC Kit



3.0 Breath Biopsy Target VOC Kit



4.1 Breath Biopsy Exposure Research Kit



4.2 Breath Biopsy EVOC[®] Probe Research Kit

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BREATH BIOPSY

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Not for use in diagnostic procedures.