

High Quality Breath Analysis

The discovery and analysis of VOC biomarkers in breath requires reproducible collection, accurate measurement and expert data analysis.

Our Breath Biopsy Kits provide everything you need to collect high quality breath samples using the ReCIVA Breath Sampler.

Each Breath Biopsy Kit contains a Breath Biopsy Cartridge to collect, stabilize and pre-concentrate the VOCs, enhancing the sensitivity of detection, and a disposable Breath Biopsy Mask.



VOC Biomarker Discovery

- The **2.0 Discovery VOC Kit** includes global VOC analysis in the Breath Biopsy Services Laboratory using the Breath Biopsy analytical platform including TD-GC-MS.
- Our data science team identify candidate biomarkers using machine learning algorithms and our **Breath Biopsy Digital Biobank** (the world's largest collection of anonymized breath VOC profiles matched to phenotype).
- Standard data analysis and reporting included.

Targeted Analysis

- The **3.0 Target VOC Kit** includes quantitative analysis of specific VOCs of interest in the Breath Biopsy Services Laboratory using the Breath Biopsy analytical platform.
- Ideal for biomarker validation studies.
- Standard data analysis and reporting included.

Conditioning and Quality Control

Breath Biopsy Cartridge




- Conditioned at > 300 °C for 4 hours
- Stringent QC checks
- Background below total VOC count of 50 ng on trap mass threshold
- Capped and ready to use

Breath Biopsy Mask

- Cleaned and washed with acid/detergent mix
- Baked twice at 200 °C, 688 hours total
- QC checked including mock breath collect
- Vacuum sealed and ready to use



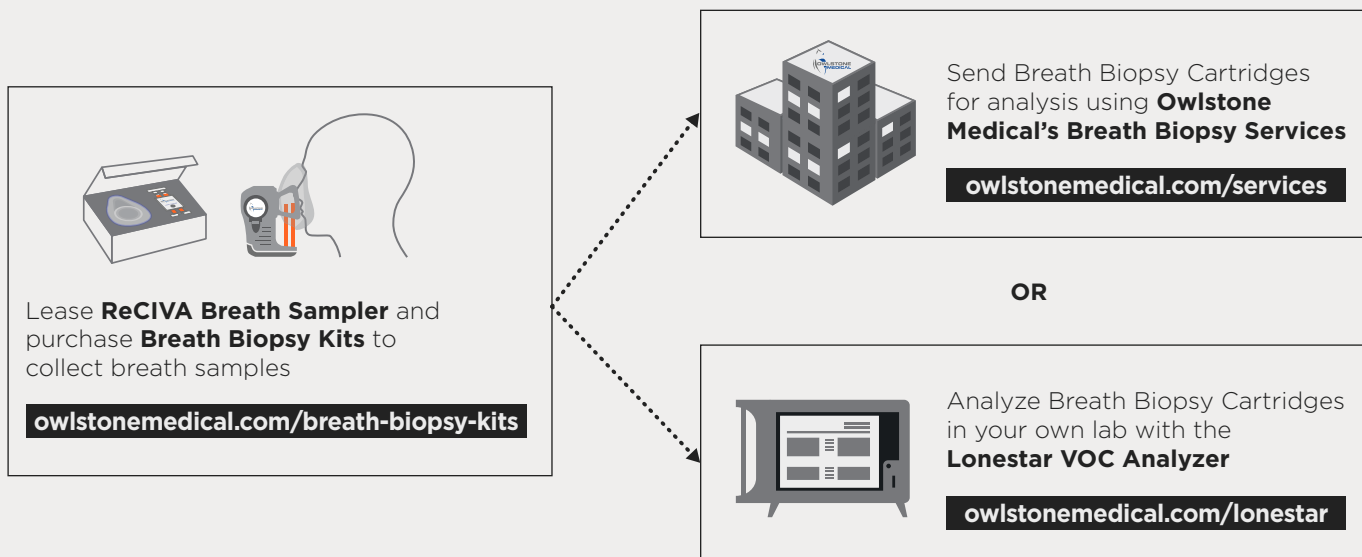
Breath Biopsy Kits for Discovery and Targeted Analysis

	1.0 Collection Kit	2.0 Discovery VOC Kit	3.0 Target VOC Kit
			
Breath Biopsy Cartridge	✓	✓	✓
Breath Biopsy Mask	✓	✓	✓
VOCs Analyzed		Comprehensive Global VOC Analysis	Choose VOC(s) of Interest
VOC Analysis Method		TD-GC-MS	TD-GC-MS or TD-GC-FAIMS
Data Analysis Method		Multivariate Methods	Quantitative Methods
Report		✓	✓

To view the complete range of Breath Biopsy Kits, please go to:

owlstonemedical.com/breath-biopsy-kits

Breath Biopsy Products and Services



BREATH BIOPSY

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Owlstone Medical's Products and Services are for research use only.
Not for use in diagnostic procedures.

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