

Fact Sheet



**LABIO MEDICAL**  
BREATH DIAGNOSTICS

# Diseases

**Your breath can reveal diseases.** But what type of diseases and how many?

## OUR SERVICES

Chromatography  
Breath Analysis  
Drug Development  
R&D Cooperation  
Clinical Trials

**Read about our patented technology with endless potential in Life Science**

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## **What your breath can reveal about your health**

It is known that severe diseases could be diagnosed before liquid biopsy. Even in ancient Greece, Hippocrates could around 400 B.C. claim that bad breath was associated with severe diseases.

There is scientific evidence that diseases could be detected through breath analysis instead of liquid biopsy.

***“Anything you can have blood test for, there is potentially a breath test for, as long as there is a volatile component”*** – said Raed A. Dweik, director of the pulmonary vascular program at the Cleveland Clinic’s Lerner Research Institute to The Wall Street Journal.

### **Many diseases to detect**

1. Diabetes (acetone & isoprene as biomarkers) as ketosis increases
2. Cancer
  - 2.1. Lung Cancer (butanon & toluene as biomarkers)
  - 2.2. Colorectal Cancer (more to discover)
  - 2.3. Esophageal-Gastric Cancer (acetic acid & more)
  - 2.4. Other Cancers
3. Inflammatory Diseases (lipid peroxidation)
4. Liver Diseases (abundant source of VOCs)
5. Infectious Diseases (viral particles)
6. Kidney disease (ammonia odour)
7. Asthma (Nitric Oxide levels increases)

### **We want to standardize the sampling and analyze method for breath analysis**

With our technological platform, many different chemical compounds can be detected. Read more about our progress with a sampling method fit for clinical studies and commercial use at our website.



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**Chromatography & Life Science**



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