Advanced Breath Test System for the Diagnosis of
GI and Liver Disorders

H. pylori. Gastric Emptying. Functional Liver Diagnosis
Designed with the needs of today’s hospitals in mind, BreathID® Gastro enables Gastroenterologists and Hepatologists to identify and manage specific digestive and liver conditions with unprecedented ease, patient comfort and clinical precision.

Worldwide, breath tests are considered the gold standard for diagnosing H. pylori infection and confirming eradication. Gastric Emptying studies with breath tests have been shown to be a reliable tool, highly preferred over nuclear medicine. Real-time functional diagnosis of liver metabolism is a clear unmet need.

Exalenz Bioscience is now offering one system for all of these needs. BreathID® technology enables advanced and convenient breath testing with impressive accuracy, allowing for immediate diagnosis and treatment decisions.

The BreathID® Gastro can be used in clinics or in hospital settings. Additionally, the BreathID® Gastro may be used for research purposes, assessing patient response to treatment and monitoring disease progression.

Patients ingest a dedicated 13C enriched test meal according to the required test (H. pylori, gastric emptying or liver function). The patient then breathes normally through a nasal cannula while the BreathID® device analyzes the breath and the 13C/12C isotope ratios in real-time. The results are printed out automatically when the tests end.

- Single platform, multiple applications
- Assesses and monitors a wide range of GI and liver disorders
- Automatic, non-invasive, continuous, real-time testing
- Minimal patient cooperation required, minimal staff involvement
- Easy to use, compact unit fits in any medical setting
- CE marked for the diagnosis of the digestive system and liver
**H. pylori**
According to recent studies, *H. pylori* bacteria is the world’s most common bacterial infection, causing over 90% of duodenal ulcers, 80% of gastric ulcers and is associated with the development of gastric cancer.

*BreathID® Hp* is the fastest, easiest and most accurate Urea Breath Test (UBT) with 100% sensitivity and 99.2% specificity for diagnosing *H. pylori* infection and confirming post-treatment eradication. Testing takes 10-15 minutes and results are immediate, enabling “test and treat” in the same visit.

**Gastric Emptying**
Delayed gastric emptying is a common cause of functional dyspepsia and may be the cause of hypoglycemic episodes in patients with diabetes.

The *BreathID®* Gastric Emptying test provides a simple and continuous profile of the Gastric Emptying Rate. The test can be performed in any setting, with minimal patient cooperation required and minimal staff involvement. Real-time data collection and analysis for up to four hours testing time is possible. Test results provide more clinical information, with the option of plotting gastric emptying patterns.

**Liver**
Liver diseases are often debilitating and sometimes fatal. Inflammation, fatty liver and fibrosis all affect liver metabolism.

The noninvasive *BreathID®* test offers a breakthrough tool to accurately assess liver metabolic processes in real time. *BreathID®* is highly sensitive to any change in liver health, enabling monitoring of treatment or disease progression.

**Fast Testing, Real Time Results**
Exalenz Bioscience Ltd. develops and commercializes advanced systems that extract vital information for diagnostics from subtle changes in the patient’s exhaled breath based on its BreathID® technology platform.

The company’s flagship BreathID® Gastro System is accurate, easy-to-use, and the emerging standard to diagnose, monitor and manage gastric infection, gastric emptying and liver function. The BreathID® Gastro System is CE approved for the diagnosis of the digestive system and liver.