

# ABOUT ALOFT

At Aloft MedTech, we believe that true progress in healthcare begins by bridging these diagnostic gaps – ensuring that every clinician has the tools to see clearly, decide confidently, and act early. We are a new-age healthcare innovation company committed to developing clinically meaningful, accessible, and globally benchmarked diagnostic solutions. Founded by professionals with deep experience in building and scaling medical technologies across diverse healthcare ecosystems. Aloft MedTech is guided by one conviction – innovation must start where unmet needs are most deeply felt.



Contact us NOW!

Website



WhatsApp



*Aloft MedTech — Where Unmet Needs Meet Innovation*

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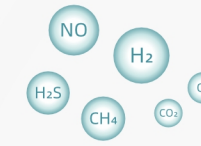
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# ALOFT-NexaBreath Analyser

**BREATHE • DETECT • DIAGNOSE**

Next-gen diagnostics through every breath.



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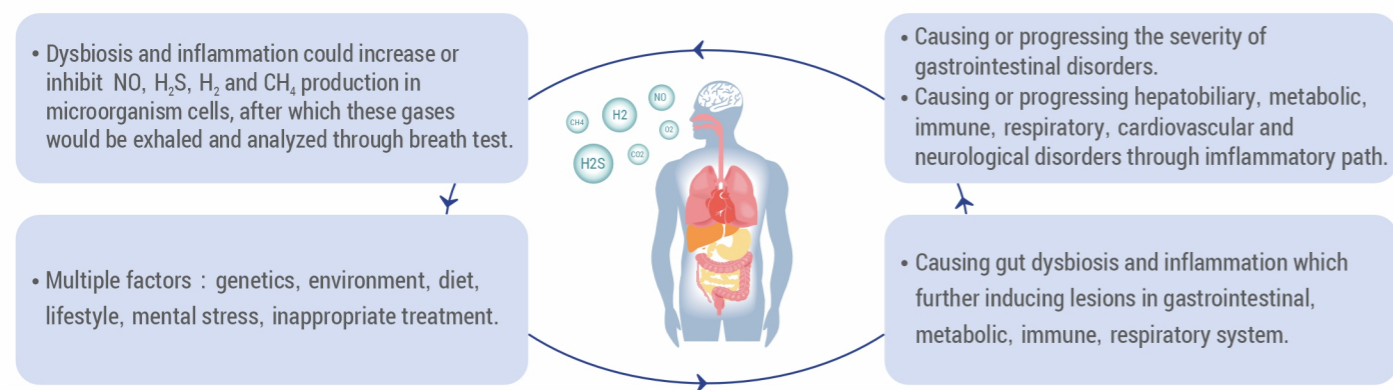
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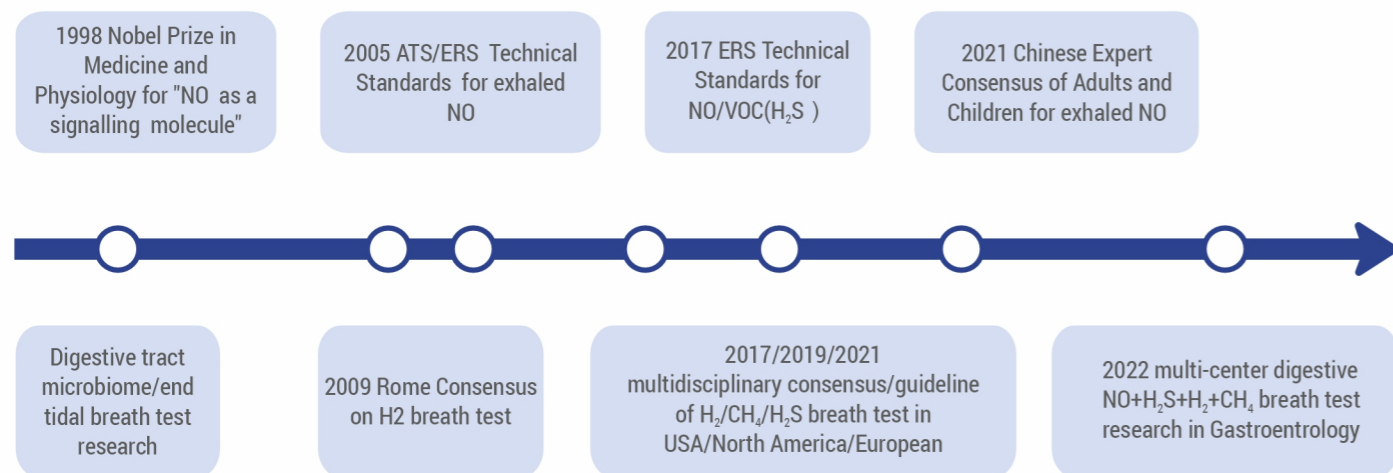
## Product Specifications

Specification	ALOFT-NexaBreath Analyser	Quintron BreathTracker SC	Bedfont Gastro+
Biomarkers	H <sub>2</sub> , CH <sub>4</sub> , H <sub>2</sub> S, NO, CO <sub>2</sub> , O <sub>2</sub>	H <sub>2</sub> , CH <sub>4</sub> , CO <sub>2</sub>	H <sub>2</sub>
Detection Option	Online, Offline, Tidal	Offline	Online
Sensor Technology	Nano Columbic electrochemical, semiconductor, infrared sensors	Chromatographic column, semiconductor detector	Electrochemical sensor
Concentration Range/Accuracy	Range: 0-200 ppm for H <sub>2</sub> , 0-75 ppm for CH <sub>4</sub> , 0-3000ppb for NO/H <sub>2</sub> S Accuracy: ±2ppm or 5% for H <sub>2</sub> /CH <sub>4</sub> , ±3ppb or 10% for NO/H <sub>2</sub> S	Range: 2-150 ppm H <sub>2</sub> , 2-75 ppm CH <sub>4</sub> Accuracy: ±3 ppm or 5% of full scale for H <sub>2</sub> /CH <sub>4</sub>	Range: 20-500ppm H <sub>2</sub> Accuracy: ±3ppm/10%
Warm-up Time	10 minutes	8 hours	Not specified
QC	Qualified user, Standard gas, Self-calibration Pre-calibration	Standard Gas Daily calibration before use	Standard gas calibration every 3 months

## Breath Test for Dysbiosis and Inflammation



## Recommended by Clinical Guidelines and Technical Standards



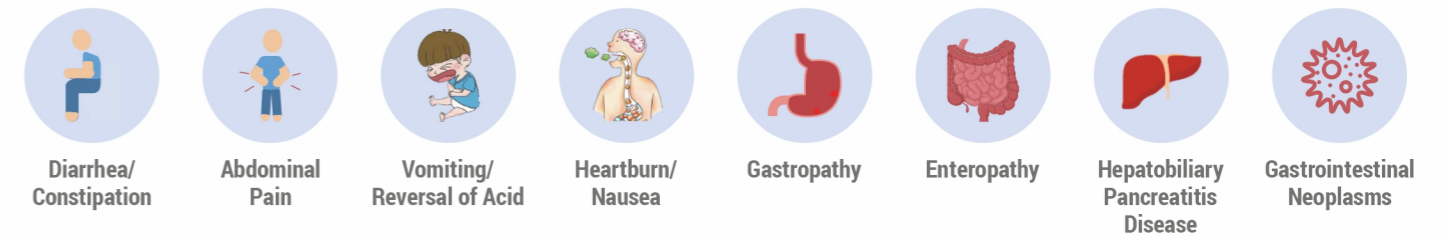
## Clinical Application

Routine Check-up on Gastrointestinal Conditions-Diagnosis dysbiosis and inflammation, guide and evaluate antibacterial and anti-inflammatory treatment and Monitor prognosis.

### Dysbiosis can be divided into 3 gas-producing microorganism overgrowth

End tidal breath test	NO	H <sub>2</sub> S	H <sub>2</sub>	CH <sub>4</sub>
Fasting: test 1 time, 3 min to give results	Inflammation	Intestinal Sulfate-Reducing Bacteria overgrowth or colorectal carcinoma	Intestinal bacterial overgrowth	Intestinal methanogen overgrowth
Substrate: test ≥ 4 times, 90 minutes to give results	N/A	Small intestinal Sulfate-Reducing Bacteria overgrowth (ISO)	Small intestinal bacterial overgrowth (SIBO)	Small intestinal methanogen overgrowth (IMO)
Typical gastrointestinal symptoms	Abdominal pain	Severe diarrhea, Bloody stool	Bloating, Diarrhea	Constipation
Indications and clinical departments	See Indications of digestive and non-digestive diseases below involving digestion, endoscopy, neurogastrointestinal and motility, nutrition, paediatrics (formulated in Europe Guidelines), metabolic/endocrinology, immunological/rheumatology, psychiatric/neurological, brain/cardiology, allergic, dermatological/orthopedic, otorhinolaryngology/respiratory and physical examination etc.			

## Indications



## Patient Symptoms and Recommended Tests

Symptom Pattern	Probable Mechanism	Recommended Test	Target Gases
Bloating, flatulence, post-prandial discomfort	Fermentation of undigested carbohydrates	H <sub>2</sub> + CH <sub>4</sub> Breath Test (Lactulose/Glucose)	H <sub>2</sub> , CH <sub>4</sub>
Constipation, sluggish transit	Methanogen overgrowth reducing motility	CH <sub>4</sub> Breath Test	CH <sub>4</sub>
Chronic diarrhea, foul gas	Sulfate-reducing bacteria overgrowth	H <sub>2</sub> S Breath Test	H <sub>2</sub> S
Abdominal pain, reflux, nausea	Microbial fermentation & mucosal irritation	H <sub>2</sub> /CH <sub>4</sub> Panel	H <sub>2</sub> , CH <sub>4</sub>
Food intolerance (milk, fruit, sugar)	Carbohydrate malabsorption	Lactose / Fructose / Sucrose Test	H <sub>2</sub> , CH <sub>4</sub>
IBS-like with inflammation	Gut-immune activation	H <sub>2</sub> + CH <sub>4</sub> + NO Breath Test	H <sub>2</sub> , CH <sub>4</sub> , NO