

# ALOFT – UBT

## <sup>13</sup>C-Urea Breath Analyzer

FOR DETECTION OF *HELICOBACTER PYLORI*



### EASY

Simple to do, non-invasive procedures, no messy collection cups, no painful needles.



### CONVENIENT

Can be done in OPD setting or testing Labs.



### FAST

The entire test process takes about 30 minutes.



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ALOFT-UBT  $^{13}\text{C}$  Breath Analyzer is a professional medical device for detecting *Helicobacter pylori*. It offers high accuracy, efficiency, and patient comfort with a simple, non-invasive protocol. Breath samples are analyzed within 3 minutes, making it suitable for OPD and lab settings across multiple specialties.

## Operational Procedure



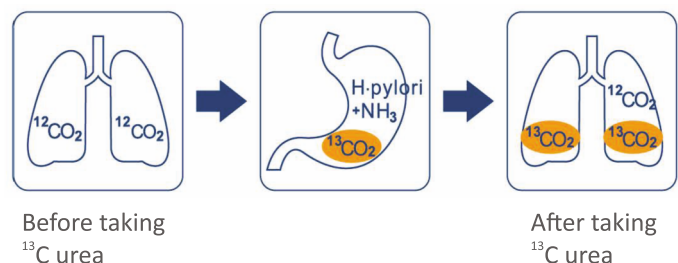
## Application

> *H. pylori* Detection

> Test of Cure

## Product Highlights

- > Sensitivity ~ 95%
- > Specificity ~ 100%
- > Painless and non-invasive test method
- > Analytical results generated within 3 minutes
- > Safe for children above 3 years of age and pregnant women.



## Product Features

### > High Efficiency

Fast Operation, 2-3 minutes for one set of undergoing sample automated batch testing.

### > Simple

One-touch operation, automatic control system.

### > Accurate

Good Repeatability  
 $\delta\text{sd} < 0.3\%$

# Gold Standard in Non-Invasive *H. pylori* Diagnosis

Test Modality	Sensitivity (%)	Specificity (%)	Invasiveness	Turnaround Time	Use in Follow-Up	Need for Endoscopy
<sup>13</sup> C Urea Breath Test	95-98%	97-100%	Non-Invasive	20-30 min	Highly reliable	No
Stool Antigen Test	88-94%	85-95%	Non-Invasive	24-48 hrs	Moderate accuracy	No
Serology (IgG)	75-85%	70-90%	Non-Invasive	15-30 min	Not for follow up	No
Endoscopy + Biopsy	95-99%	95-99%	Invasive	3-5 days	Reliable	Yes
Rapid Urease Test	85-95%	90-95%	Invasive	1-2 hours	In-hospital	Yes

## Smart diagnostics for better Gastrointestinal health.

The <sup>13</sup>C Urea Breath Test (UBT) is considered as the **Gold Standard** for non-invasive detection of *Helicobacter pylori* infections & related disorders. In contrast, <sup>12</sup>C UBT or ABT (if used at all) lacks clinical viability due to limitations in detectability and accuracy.

- 1. NON-RADIOACTIVE & SAFE** - <sup>13</sup>C is a stable, **non-radioactive isotope**, making it completely **safe-even for children and pregnant women**.
- 2. HIGHER SPECIFICITY AND SENSITIVITY** - Offers **superior diagnostic performance** in detecting *H.pylori* infections compared to conventional methods.
- 3. CLINICALLY ACCEPTED AND STANDARDIZED** - Recognized by global guidelines (ACG, Maastricht Consensus, WGO) as a first-line diagnostic method and **Test of cure**.
- 4. ROBUST AND REPRODUCIBLE** - Less variability and fewer external interferences compared to colorimetric or outdated breath tests.
- 5. ADVANCED UREA FORMULATION** - <sup>13</sup>C Urea Granules is the **latest technology of <sup>13</sup>C urea** formulations that disintegrates into stomach within 3 minutes and detects *H pylori* even in the non-localized area of GI tract.

## Endorsed by Global Guidelines:

Competent Authority	<sup>13</sup> C UBT Recommendation
MAASTRICHT VI (2022)	First-line diagnostic & follow-up tool
ACG CLINICAL GUIDELINES	Preferred for test-of-cure
WGO <i>H. PYLORI</i> GUIDE	Best non-invasive method available

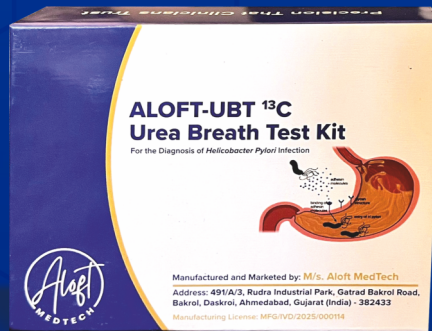
***“UBT shows superior performance over SAT and serology in both symptomatic and asymptomatic populations.”*** — Leal et al., BMJ Open Gastroenterology, 2020

# Specifications

1. Power Supply. ----- AC100-240V, 50-60Hz
2. Power Consumption. ----- <100W
3. Range of CO2 Concentration. ----- 0.5-6%
4. Sample Volume. ----- >120ml
5. Dimension. ----- 330mm x 435mm x 236mm
6. Weight. ----- 15kg

## ORDERING - INFORMATION

Product Code	Product Description	Qty / Pack
05.AUBT.02	ALOFT-UBT 13C Urea Breath Analyzer	1
05.AUBTK.01	ALOFT-UBT 13C Urea Breath Test Kit	1
05.AUBTK.10	ALOFT-UBT 13C Urea Breath Test Kits	10
05.AUBTK.50	ALOFT-UBT 13C Urea Breath Test Kits	50
05.AUBTK.100	ALOFT-UBT 13C Urea Breath Test Kits	100



**Tired of FALSE +ve / -ve results for *H. pylori*?**  
**Switch to the GOLD STANDARD for *H. pylori* Detection**

Ammonia Breath Test (ABT)	<sup>13</sup> C Urea Breath Test (UBT)
Results influenced by oral bacteria, liver & kidney function → Lower reliability	Direct measurement of exhaled <sup>13</sup> CO <sub>2</sub> after urea metabolism → Highly specific
Not included in GI diagnostic guidelines	Endorsed by Maastricht VI & Kyoto Consensus as Gold Standard
Prone to false positives & negatives	Accuracy > 95-98% Sensitivity & Specificity 97-100%

**Trusted by Clinicians. Backed by global guidelines.**

**Contact us NOW!**



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**Aloft MedTech — Where Unmet Needs Meet Innovation**