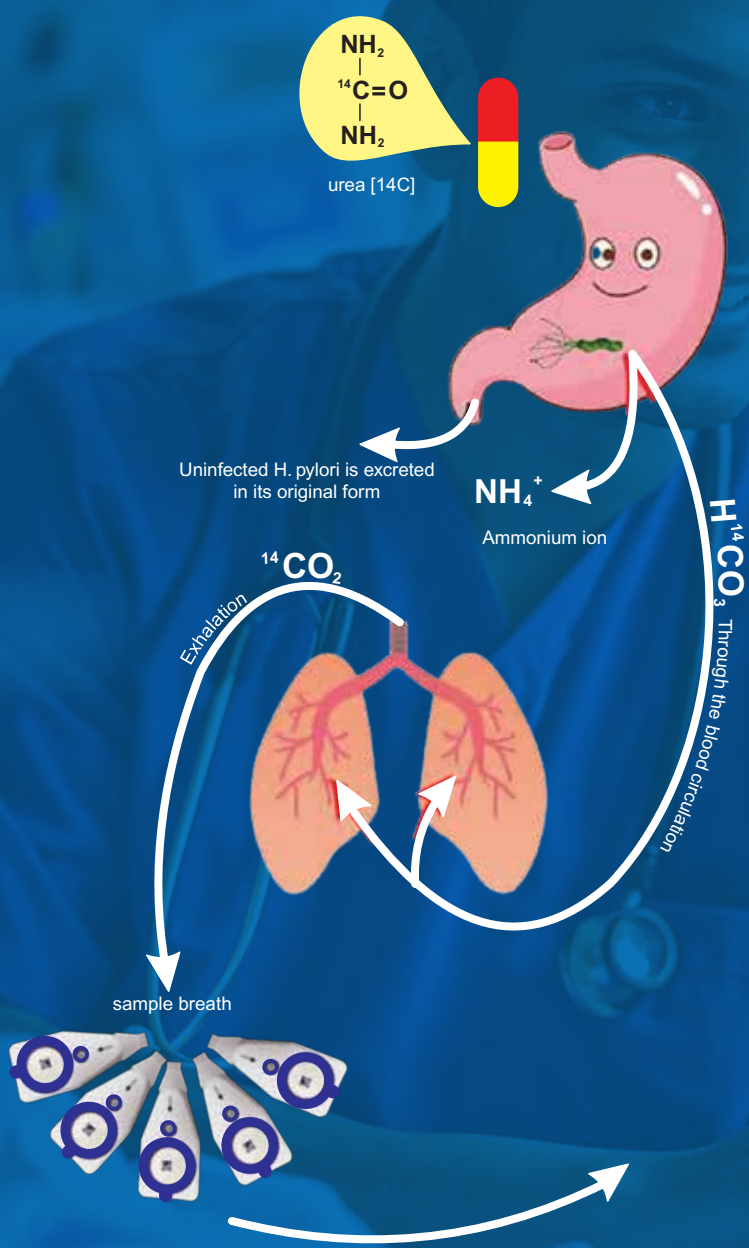




# ALOFT - UBT

## <sup>14</sup>C Urea Breath Analyser

• FAST • ACCURATE • CLINIC-FRIENDLY



Diagnosis Result



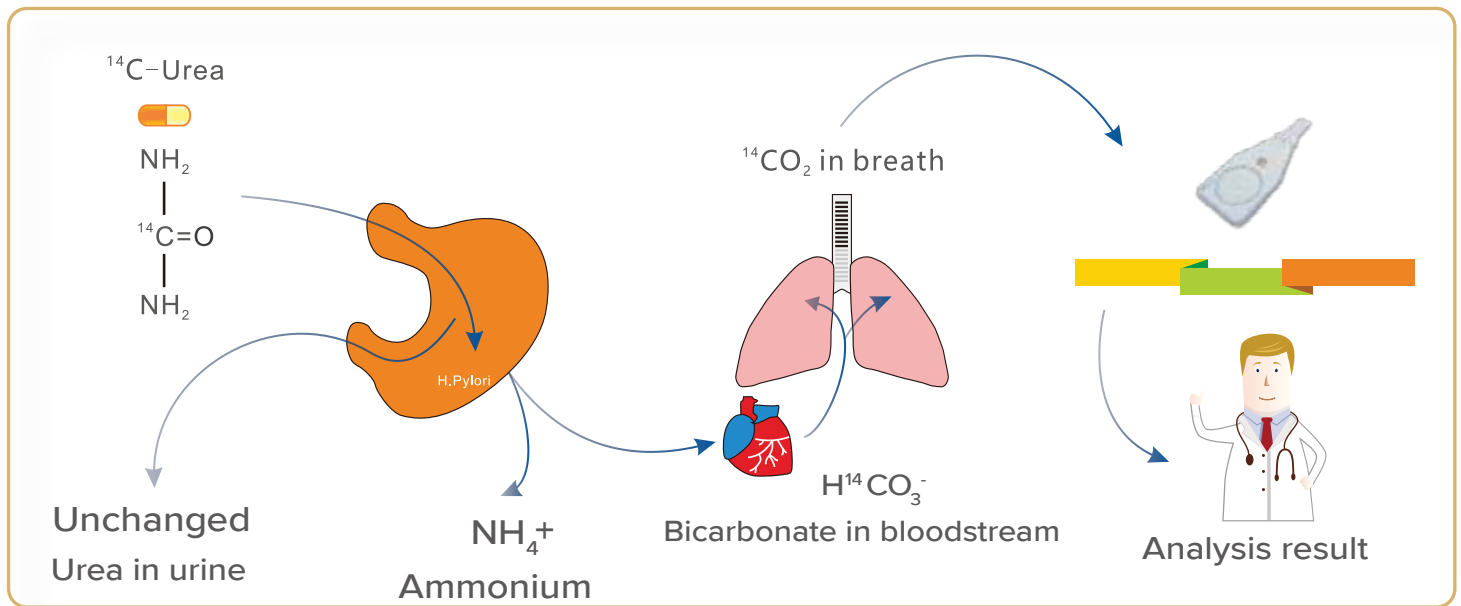


Aloft Medtech introduces a next-generation non-invasive diagnostic system for detecting active *Helicobacter pylori* infection. Combining precision technology, regulatory compliance, and patient comfort, our analyser ensures reliable results within minutes.



## Why Choose C14 Urea Breath Test?

Urease does not exist in mammalian cells. Therefore, the presence of urease in the human stomach serves as evidence for the presence of *Helicobacter pylori*. After the examinee orally takes a urea [ $^{14}\text{C}$ ] capsule, if there is *Helicobacter pylori* in the stomach, the urease produced by it can rapidly decompose urea into carbon dioxide and ammonia. The carbon dioxide enters the lungs through the bloodstream and is exhaled out of the body. The exhaled  $^{14}\text{CO}_2$  is collected on the TestCard. By placing the card on ALOFT  $^{14}\text{C}$  UBT Analyser for measurement, it is possible to determine whether there is an infection of *Helicobacter pylori* in the stomach or not.



## Clinical Applications:



Dyspepsia evaluation



Peptic ulcer disease diagnosis



Gastric cancer risk assessment



Post-therapy confirmation

## Key Benefits:

- High diagnostic accuracy (~95–97% sensitivity, ~90–95% specificity)
- Sample-to-result time: 15–20 minutes
- Low radiation exposure (<0.003 mSv)
- Ideal for eradication confirmation
- Simple workflow and minimal patient discomfort

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

Test Modality	Sensitivity (%)	Specificity (%)	Invasiveness	Turnaround Time	Use in Follow-Up	Need for Endoscopy
<sup>14</sup> C Urea Breath Analyzer	95-97%	90-95%	Non-Invasive	15-20 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.

## Key Features:

- Rapid, automated analysis with digital precision
- Test Card compatibility for contamination-free handling
- Intuitive touchscreen interface
- Automated calibration and internal quality control
- Compact, user-friendly design
- Overall procedure time from test to result is less than 20 minutes

## Workflow Overview

- Patient preparation — fasting, stop PPIs/antibiotics as required.
- Administer <sup>14</sup>C urea capsule/drink.
- After 15 minutes, patient breathes into TestCard.
- Insert TestCard into ALOFT <sup>14</sup>C UBT Analyser — read and print/export result within 2 minutes



The patient takes a <sup>14</sup>C urea capsule



Wait for 15 min



The patient exhales on to the card without inhaling, until the card color changes from White to Blue



Use the 06.AUBTK.40 test collection card for the diagnosis (positive/negative) and get result within 2 minutes

## Specifications

Power Supply	AC 110–220V, 50–60Hz
Power Consumption	30VA
Dimension	320mm × 280mm × 330mm
Weight	10 kg



### 06. AUBT.01

**ALOFT-UBT <sup>14</sup>C  
Urea Breath Analyser**



### 06. AUBTK.40

**ALOFT-UBT <sup>14</sup>C  
Urea Breath Test Card**

Website



WhatsApp



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