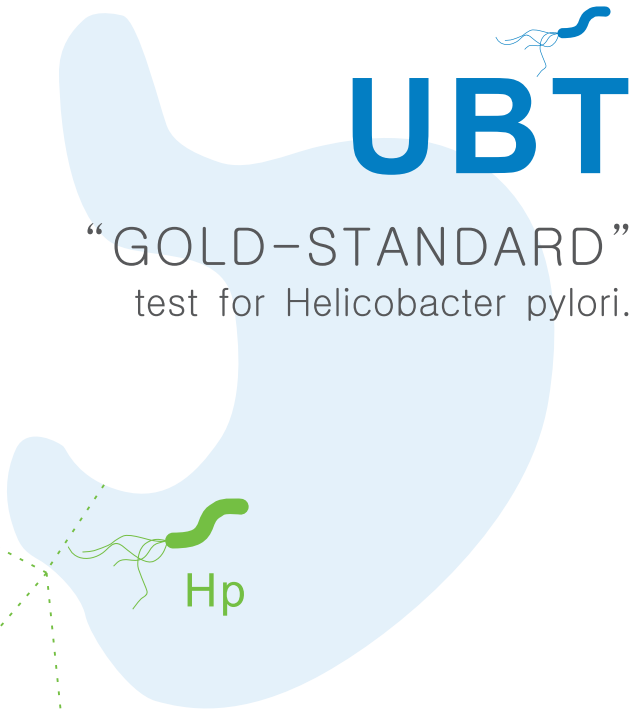




Since 1996
Once Breathed, H. Pylori Diagnosed!



UBT

“GOLD-STANDARD”
test for Helicobacter pylori.

HUBT-20



¹⁴C-Urea Breath Test Kit

HUBT-20P



Global Breath Test Expert



UBT “GOLD-STANDARD” test for Helicobacter pylori.

Company Profile

Shenzhen Zhonghe Headway Bio-Sci & Tech Co.,Ltd, affiliated to China Isotope & Radiation Corporation, is the founder of breath testing industry in China. We are the only manufacturer in China of both 13C and 14C Urea Breath Test Kits and Analyzers for Helicobacter pylori diagnosis. Since established in 1996, we have supplied to 8000 hospitals in China and exported to more than 70 countries in the world.

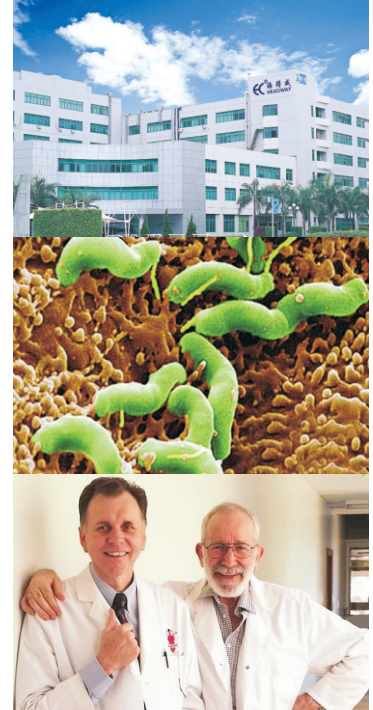
What is Helicobacter Pylori?

Helicobacter Pylori (H.Pylori) was first discovered in 1982 by Australian scientists Barry Marshall and Robin Warren. It is a Gram-negative, microaerophilic bacterium in the stomach.

H. Pylori is the primary cause of gastritis, peptic ulcer disease and MALT. WHO identified H.pylori as Class I carcinogen of gastric cancer. More than 50% of the world's population harbor H. Pylori in their upper gastrointestinal tract.

Why choose UBT?

Urea breath test is a simple, non-invasive and accurate diagnostic technology for detecting H.pylori. It is for diagnosing active H.Pylori infection and for monitoring the therapeutic effect of H.Pylori eradication.



Common Testing Methods for Helicobacter Pylori Infection

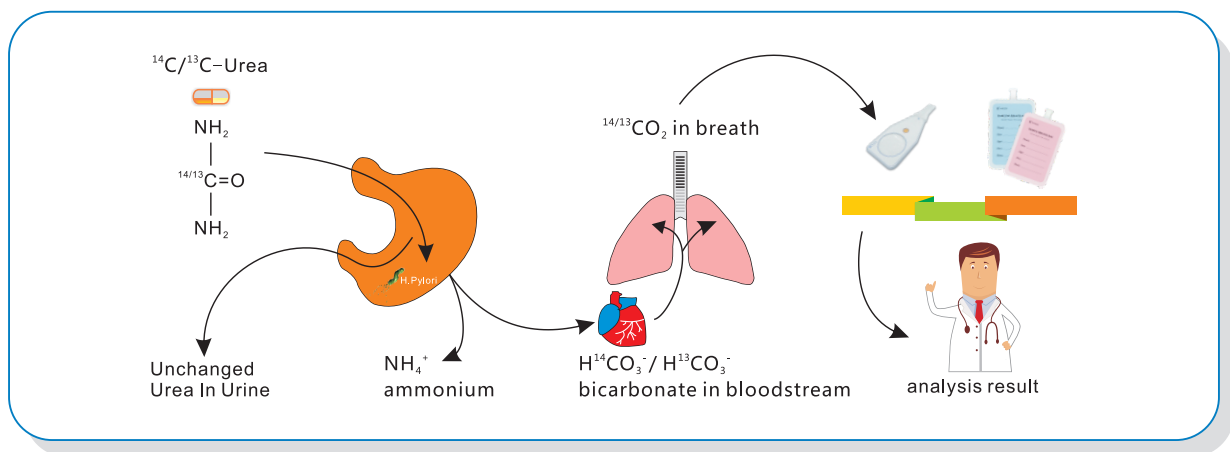
Test method	Urea Breath Test	Serology (ELISA)	Stool (HpSA)	Endoscopy
Sample collection	Breath Sample	Blood Sample	Stool Sample	Tissue Sample
Tests for active infection	YES	NO	YES	YES
Scope of test	Tests the entire gastric mucosa for active H.Pylori infection	Tests the immune system for prior exposure	Tests for H.Pylori antigens in stool	Tests small areas of the stomach
Post-treatment monitoring	YES	NO	YES	YES

¹⁴C



UREA BREATH TEST

Principle of ¹⁴C/¹³C-Urea Breath Test



1. Patient swallows urea capsule labelled with ¹³C/¹⁴C.
2. If the patient is infected with H. pylori, the test urea will be broken down and CO₂ labelled with ¹³C/¹⁴C will be produced. $^{14/13}\text{CO}(\text{NH}_2)_2 + \text{H}_2\text{O} \xrightarrow{\text{Urease}} 2\text{NH}_3 + ^{14/13}\text{CO}_2 \uparrow$
3. CO₂ moves from the blood to the lungs.
4. Exhaled breath collected and then detected by analyzer.

¹⁴C-Urea Breath Test

HUBT-20

Lightweight and compact:
Simple one-touch operation:
Result available in 5 minutes:
Automatic result printing.



HUBT-20A1

User-friendly design, smart & portable;
Compatible with HIS/LIS;
Result available in 5 minutes;
Automatic result printing.

HUBT-20P

User-friendly design, smart & portable;
Compatible with HIS/LIS;
Result available in 5 minutes;
Automatic result printing.



¹⁴C-Urea Breath Test Kit

Accurate, Painless, Simple, Swift
Specification
1. ¹⁴C-Urea capsule: 40 grains/package
2. Collection card: 40 pcs/package

Operation Procedure of ¹⁴C-Urea Breath Test



Take a ¹⁴C-Urea capsule with water.



Sit for 15 minutes.



Blow into a collection card for 3–5 minutes.



Test the collection card with a H. Pylori analyzer and get the result.

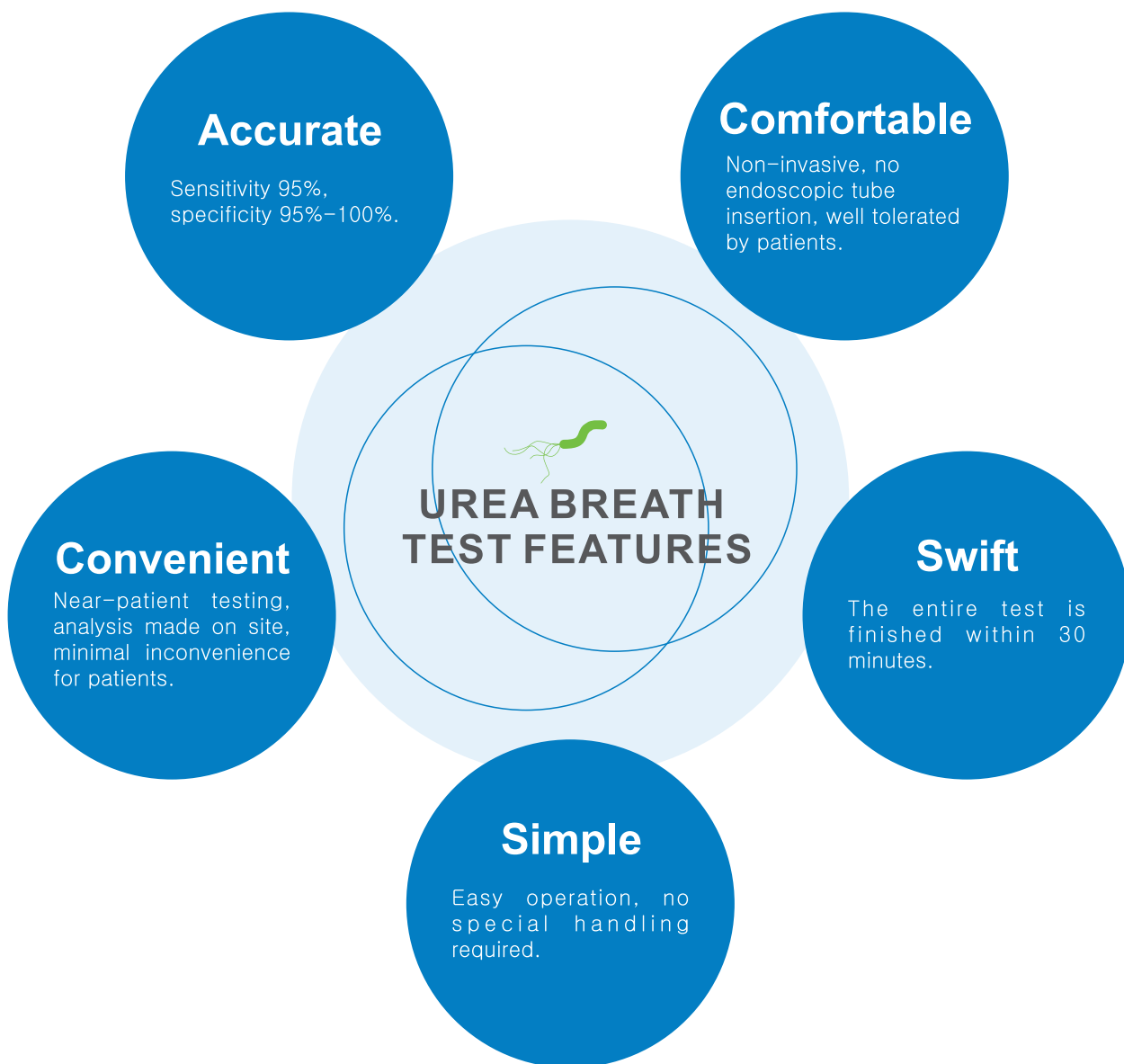


HUBT-20P

Applications of ^{14}C -Urea Breath Test

- Dyspepsia initial diagnosis, post treatment follow-up of H. Pylori infection;
- The patients need eradicate H. Pylori, who suffers Gastric ulcer, duodenum ulcer, chronic active gastritis, antral gastritis or Gastric mucosa associated lymphoid tissue malignant tumor diseases;
- Precaution of gastric cancer or the ones with family history of gastric cancer;
- Refuser of gastroscopy;
- Long term user of NSAID (Non-steroidal anti-inflammatory drugs);
- Iron-deficiency anemia with unknown causes;
- Idiopathic thrombocytopenic purpura(ITP);
- Patients already take endoscopy;
- Physical examination;
- Patient wishes.





SHENZHEN ZHONGHE HEADWAY BIO-SCI & TECH CO., LTD.

SHENZHEN ZHONGHE HEADWAY BIO-SCI & TECH CO., LTD.

Add: 2/F, Block A, Nanfeng Building, Nanshan Yungu Innovation Industrial Park, Xili, Nanshan District, Shenzhen, China

Tel: 86(0)755 21534453 Fax: 86(0)755 26036200

Email: info@headway-ubt.com / exportdept1@headwaychina.com

Website: www.headwaychina.com / <http://headway-ubt.en.alibaba.com>