



Global Breath Test Expert

“GOLD-STANDARD” test for *Helicobacter Pylori*



C-13 Urea Breath Test Kit



Applicable for any age and any group including children and pregnant women.

Specification

- 1. Each capsule contains 75mg Urea-¹³C
- 2. Breath bag: 2 pcs / package

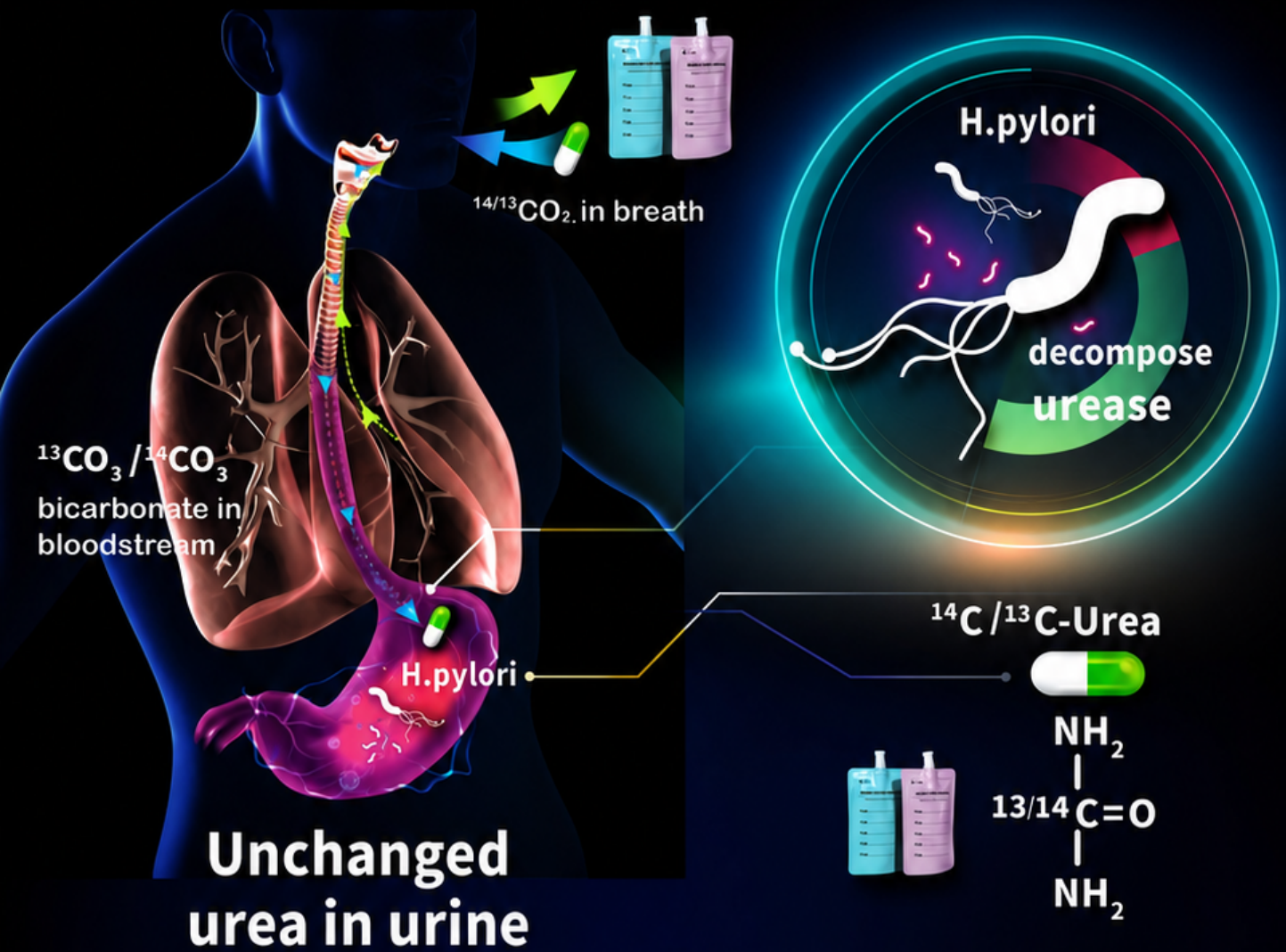
Why choose UBT?

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
Test 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

PRINCIPLE OF ^{13}C -Urea Breath Test



1. Patient swallows urea capsule labelled with ^{13}C
2. If the patient is infected with H. pylori, the test urea will be broken down and CO_2 labelled with ^{13}C will be produced. $^{13}\text{CO}(\text{NH}_2)_2 + \text{H}_2\text{O} \xrightarrow{\text{Urease}} 2\text{NH}_3 + ^{13}\text{CO}_2 \uparrow$
3. CO_2 moves from the blood to the lungs
4. Exhaled breath collected and then detected by analyzer

Operation Procedure of ^{13}C -Urea Breath Test



Convenient

Near-patient testing,
analysis made on site,
minimal inconvenience
for patients

Comfortable

Non-invasive,
no endoscopic tube insertion,
well tolerated by patients

UBT

FEATURES

Accurate

Sensitivity 95%,
specificity 95%-100%

Swift

The entire test
is finished
within 30 minutes

Simple

Easy operation,
no special
handling required

Hong Kong & Macau Distributor



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