

celis

Urea Breath Test Innovator

celis

Celis Biotech Co.,Ltd

E-11 and E-12 Plant, Tian Yi Science and Technology Park,
Tianyuan District, Zhuzhou, China,412000

Email: evan@celisbiotech.com

What is Helicobacter pylori?

Helicobacter pylori is a bacterium which infects the lining of the stomach and is responsible for a high percentage of stomach and duodenal ulcers and is associated with stomach cancer and MALT lymphoma.

According to World Gastroenterology Organization guideline, about 50% of the world population are infected. It is thought that the bacterium is spread via person-to-person contact. It is common for H. pylori to be spread between family members. When a diagnosis of H. pylori infection is made, it is now advisable for immediate family members to be also breath tested and treated.

Celis SUBT-D1 System provides a quick, simple and reliable diagnostic test which gastroenterologists and pathology laboratories can provide to patients for on-site results.

Celis urea breath test
Gold standard

reliable and smart UBT system for
Helicobacter pylori diagnosis

Symptoms of H. pylori infection

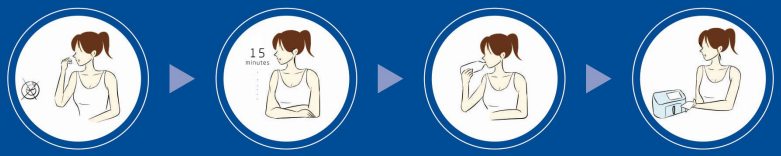
- Bad breath.
- Dull or burning pain in your stomach.
- Unplanned weight loss.
- Bloating.
- Nausea and vomiting.
- Indigestion (dyspepsia).
- Burping.
- Loss of appetite.
- Dark stools.







Testing Procedure



(1) Take a capsule with empty stomach or 2 hours after eating.

(2) Sit still for 15 minutes

(3) Unpack the collection card and connect the mouthpiece to card body. Blow into breath collection card with appropriate force, you can exchange breath during blowing, but don't draw in breath. Stop blowing when the card indicator turns from blue to white or after 3 mins even though color is not completely changed.

(4) Give the collection card to medical staff and wait for report.

Cut-off value

① C value < 50, Negative; indicating no H. pylori infection

② C value ⩾ 50, Positive; indicating H. pylori infection



Celis Urea breath Test System (SUBT-D1)

Reliable and smart

Sensitivity: 95%+

Specificity: 95%+

All operation under smart touch screen.

Revolutionary false-result elimination technology automatically cleans the measurement chamber to eliminate residual radiation of previous positive sample.

User friendly Visible indicator light facilitates the experience of operator and perfectly avoid frequent mis-insertion of samples.

Simple installation and maintenance

Plug and play intelligent system.

One button pressed for background calibration for first-time installation.

One button pressed for maintenance

User friendly software

Technical information

Parameters	Specification
Operating temperature	5°C ~ 40°C
Working humidity	≤75%
Working Atmospheric Pressure	86kPa ~ 106kPa
Warm-up time	About 1 hour
Storage and transportation temperature	-10°C ~ 50°C
Storage humidity	≤75%

Power supply	AC 220V，50Hz
Power consumption	40 VA
Fuse	250V 2.5A Φ5*20, 2pcs
Maximum size	350mm×290mm×250mm（L×W×H）
Maximum weight	Less than 25 kg
ClassiÞcation	Class II, Class 2 pollution level equipment
Housing material	ABS plastic

Celis Biotech is a global medical device innovator specializing in Helicobacter pylori breath test of the gastrointestinal system.

Through our world-class talent and out-of-the-box thinking, we strive to empower physicians and patients by developing innovative technologies, which provide superior clinical outcomes and improve patient quality of life.