

Reporting Title: H. pylori C Urea Breath Test
Performing Location: Mayo Clinic Laboratories - Rochester Superior Drive

Ordering Guidance:
An alternative test for the diagnosis of active *Helicobacter pylori* infection in patients is the HPFRP / *Helicobacter pylori* with Clarithromycin Resistance Prediction, Molecular Detection, PCR, Feces, which requires a different collection.

Specimen Requirements:

Patient Preparation:

1. Do not administer this test if this list of instructions is not followed, as test results may be inaccurate:
- a. Do not administer this test if patient is allergic to citric acid. Note: Product contains aspartame.

b. For 2 weeks prior to testing, patients should not take proton-pump inhibitors (eg, Prilosec, Prevacid, Aciphex, Protonix, and Nexium), histamine 2-receptor antagonists (H2RA), (eg Pepcid, Tagamet, Axid, or Zantac), or bismuth compounds (eg, Pepto-Bismol).

c. For 4 weeks prior to testing, patients should not take antibiotics.
2. Carafate (sucralfate) does not interfere with this test.
3. Use of antacids does not affect the accuracy of this test.

Fasting: 1 hour, required

Supplies: H pylori Breath Kit - Meridian BreathID (T906; fees apply)

Collection Instructions:

1. Do not collect if patient is younger than 3 years.
2. Follow instructions included with kit.
3. Mixing the (13)C-Urea Tablet

a. Dissolve the Citrica and the (13)C-enriched urea tablet in 150 to 200 mL (5.1 to 6.8 oz.) of tap water in the provided drinking cup.

b. Close the lid firmly using both hands. Place fingers over lid and shake thoroughly for a few minutes, until the Citrica Powder and the urea tablet are completely dissolved.
- Note: Tiny particles may remain visible after thorough mixing. However, if more substantial particulate matter is still present after five minutes of mixing, discard the solution and repeat the procedure with a new kit.

Forms:

If not ordering electronically, complete, print, and send 1 of the following forms with the specimen:

- [-Infectious Disease Serology Test Request](#) (T916)
- [-Gastroenterology and Hepatology Test Request](#) (T728)
- [-Microbiology Test Request](#) (T244)
- [-General Request](#) (T239)

| Specimen Type | Temperature | Time | Special Container |
|---------------|-------------|---------|-------------------|
| Breath | Ambient | 14 days | BREATH TEST BAG |

Result Codes:

| Result ID | Reporting Name | Type | Unit | LOINC® |
|-----------|------------------------------|--------------|------|---------|
| 81590 | H. pylori C Urea Breath Test | Alphanumeric | | 29891-9 |

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

83013

Reference Values:

Negative

Reference values apply to all ages.