

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.