
Reporting Title: H. pylori C Urea Breath Test**Performing Location:** Rochester**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. Patient should be fasting for 1 hour.
2. Do not administer this test if this list of instructions is not followed, as test results may be inaccurate:
 - a. Patients should not take proton-pump inhibitors (eg, Prilosec, Prevacid, Aciphex, Protonix, and Nexium) or bismuth compounds (eg, Pepto-Bismol) for 2 weeks prior to testing.
 - b. Patients should not take antibiotics for 4 weeks prior to testing.
 - c. Histamine 2-receptor antagonists (H2RA), such as Pepcid, Tagamet, Axid, or Zantac may impact the sensitivity of the test and, if possible, should be discontinued for 2 weeks prior to testing.
3. Carafate (sucralfate) does not interfere with the test. Use of antacids does not affect the accuracy of this assay.

Supplies: H. Pylori Breath Kit - Meridian Breath ID (T906: fees apply)

Collection Instructions:

1. Do not collect if patient is younger than 3 years of age.
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.

Specimen Minimum Volume:

Bag of "breath" must be full

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 (T732)
- 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.