

## H. Pylori Breath Collection

The ID kit Hp Two comes in a box of 5 individual kits along with collection cups. Always check the expiration date on the kit prior to beginning a collection.

Before collection, ask the patient the following questions:

- Have you had anything to eat or drink within the last hour?
- Have you taken any antibiotics or proton pump inhibitors within the last 2 weeks?
- Are you sensitive to aspartame?

Note: Follow patient identification protocols prior to completing the collection. Following the collection, all specimens must be labeled in the presence of the patient.

### **PROCEDURE**

#### **A. Collect the baseline bag (Blue) first.**

1. Fill in the information requested on the blue bag
2. Remove the cap from the bag
3. Have the patient inhale, hold their breath for 5 seconds, then exhale into the blue bag.
4. Place the cap on the bag. Push the cap until it clicks
5. Place a barcode label on the outside of the bag
6. If utilizing preprinted patient labels, apply a patient label to the bag.

#### **B. Drink Preparation**

1. Open the 2 silver pouches and pour the citrica powder and the  $^{13}\text{C}$ -enriched urea tablet into the cup provided.
2. Add room temperature water to the fill line on the cup from 150-200 ml (approximately 6 ounces) .
3. Close cup firmly and shake until the powder is completely dissolved.

#### **C. Patient Preparation**

1. Give the patient the straw to drink the solution and instruct the patient to drink the entire solution within 2 minutes. If the drink is not consumed within 2 minutes, do not proceed with the test.

***Note: The patient must drink with the straw provided.***

2. Wait 15 minutes. Instruct the patient not to eat, drink or perform any physical activity during this time.

**D. Collect the Post dose collection bag after the 15 minute wait (grey)**

1. Fill in the information requested on the grey bag
2. Remove the cap from the bag
3. Have the patient inhale, hold their breath for 5 seconds, then exhale into the grey bag.
4. Place the cap on the bag. Push the cap until it clicks
5. Place a barcode label on the outside of the bag.
6. If utilizing preprinted patient labels, apply a patient label to the bag

**E. Transport**

1. Place both bags into the provided clear zip lock bag and forward to the laboratory for testing.

