

**MORE PATIENT  
SATISFACTION,  
MORE CONFIDENT  
DIAGNOSIS**



**Bravo™ Reflux Testing System**  
Improved diagnostic yield with prolonged  
pH measurement periods

**Medtronic**  
Further, Together

# CONVENIENT, CAPSULE-BASED PH MONITORING SYSTEM



The Bravo™ reflux testing system, a unique capsule-based ambulatory pH test, captures esophageal pH data for up to 96 continuous hours in a single procedure.

It utilizes a small pH capsule that is temporarily attached to the wall of the esophagus to transmit pH data for up to four days. This convenient procedure enhances patient satisfaction and compliance while providing improved diagnostic yield to support early detection.

## Patient-friendly Procedure

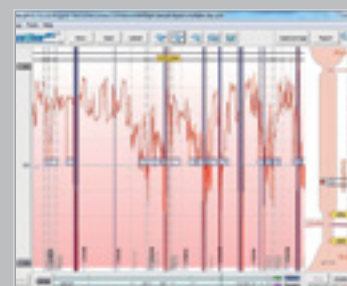
- Better tolerated and preferred by patients over catheter-based pH monitoring<sup>1</sup>
- Patients can maintain regular diet and activities throughout the procedure<sup>1</sup>
- Well-tolerated by children age of 4 and older<sup>2</sup>
- Reduces barriers to care, like social embarrassment, as there are no outward signs that the procedure is taking place

## Easy to Use

- Placement procedure is simple to perform
- User-friendly AccuView™ software v5.2 facilitates efficient analysis and reporting of study results
- Fits seamlessly into your workflow – simply place capsule during a routine endoscopy

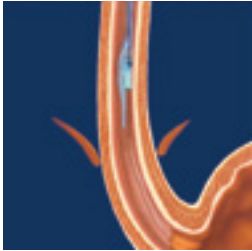
## Clinical Advantages of the Extended Bravo™ Reflux Testing System

- Up to 96-hour testing provides four times the data of catheter-based tests, supporting greater test sensitivity,<sup>1,3</sup> increasing detection of symptoms<sup>4</sup> and improving diagnostic yield<sup>5</sup>
- Enables diagnosis in cases of failed catheter-based pH studies when 24-hour results are inconclusive<sup>6</sup>
- Offers an alternative for catheter-intolerant patients<sup>6</sup>
- Allows for evaluation of patients off PPI therapy, which is clinically beneficial in patients with refractory GERD<sup>5,7</sup>
- Has a strong impact on outcomes and patient management<sup>2</sup>



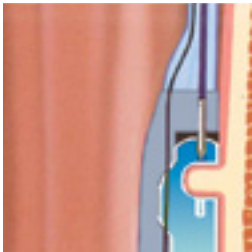
AccuView™ software v5.2

# BRAVO™ REFLUX TESTING SYSTEM TESTING SYSTEM PROCEDURE OVERVIEW



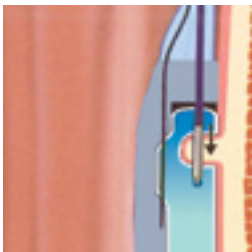
## Step One

Position pH capsule in the esophagus



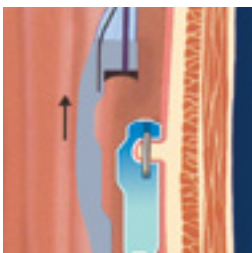
## Step Two

Apply suction to draw a small amount of tissue into the capsule's suction chamber



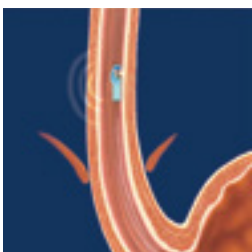
## Step Three

Depress plunger on handle to attach capsule



## Step Four

Remove delivery system from the esophagus



## Step Five

Capsule immediately begins transmitting pH data



Patient wears the recorder for up to 96 hours while engaging in normal activity.

Upon completion of the study, information is uploaded to a computer for analysis. The disposable capsule detaches and passes through the digestive tract a few days later.

## New Recorder Features

- Captures up to 96 continuous hours of esophageal pH data in a single procedure\*
- New meal and supine event buttons\*
- Improved calibration execution and recorder setup
- Direct data upload via USB
- Internal, rechargeable battery
- Compatible with AccuView™ pH-Z software

\*Features are only available with AccuView™ software

# SYSTEM COMPONENTS

## Ordering Information

### pH Capsule

pH capsule with delivery device, 5-pk

### pH Recorder

pH recorder  
Carry case  
Carry strap  
Charger EU  
USB cable  
Document mini CD

### pH Accessory Kit

Calibration stand  
Buffer solution, pH7.01 (bottle)  
Buffer solution, pH1.07 (bottle)  
Vacuum pump (220v)  
Vacuum pump tubes, 10-pk  
Vacuum pump filters, 10-pk

### AccuView™ Software

AccuView™ pH-Z software v5.2  
U-224 USB to serial cable

### Miscellaneous

Vacuum pump suction tubes, 10-pk  
Vacuum pump filters, 10-pk  
Vacuum pump kit (canister and tubing)



## TAKING GI CARE FURTHER, TOGETHER

Medtronic is proud to partner with you as we work towards our shared goal of early detection of GI conditions.

For more information, please ask your sales representative and visit [givenimaging.com](http://givenimaging.com)

**Caution:** Federal law restricts this device to sale by or on the order of a licensed healthcare practitioner. Rx only.

**Important Information:** The risks of the Bravo™ reflux testing system include: premature detachment, discomfort, failure to detach, failure to attach, capsule aspiration, capsule retention, tears in the mucosa, bleeding and perforation. Endoscopic placement may present additional risks. Medical, endoscopic or surgical intervention may be necessary to address any of these complications, should they occur. Because the capsule contains a small magnet, patients should not have an MRI study within 30 days of undergoing Bravo™ reflux testing. Please refer to the product user manual or [givenimaging.com](http://givenimaging.com) for detailed information.

**References:** 1. Tseng D, et al. *J Gastroenterol Surgery*. 2005;(9):1043-1052. 2. Lacy BE, et al. *J Clin Gastroenterol*. 2009;43(6):514-519. 3. Pandolfino J, et al. *Am J Gastroenterol*. 2003;(4):740-749. 4. Prakash C, et al. *Clin Gastroenterol & Hepatol*. 2005;(3):329-334. 5. Roman, et al. *Endoscopy*. 2012;44(3):270-276. 6. Swels R, et al. *Aliment Pharmacol Ther*. 2009;29:669-676. 7. Garrean, et al. *Am J Gastroenterol*. 2008;103(7):1631-1637.

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