Laborie offers a full range of ISFET based disposable Impedance-pH catheters to measure acidic, weakly acidic and non-acidic gastrointestinal reflux causing GERD. ISFET stands for Ion-Sensitive Field-Effect Transistor technology. ISFET is a proven technique and provides very accurate measurement of pH.

ISFET is more accurate than antimony and response rates of reflux episodes rival that of premium quality glass catheters.

The Laborie ISFET Impedance-pH catheter program contains a product line with 6 Impedance channels and 1 or 2 pH sensors. This enables reliable recording of intra-esophageal and gastric pH. ISFET catheters have an internal reference electrode which provides greater ease of use. Calibration is always accurate.

Advantages of ISFET Impedance-pH catheters

Precise measurement
- The ISFET ion-sensitive transistor technology provides high quality pH recording
- ISFET means stable pH signals for the full pH range (including gastric pH)
- Quick response rate for immediate recording of pH changes
- Low temperature drift, no need for temperature compensation
- Stability of 0.1 pH / 24 hours, max. 0.2 pH

Ease of use
- ISFET Impedance-pH catheters do not need to be pre-soaked, resulting in a short set-up time
- Catheters are easy to intubate for nurse or doctor

Patient friendly
- Small 6 French size and soft tubing for easy intubation and greater patient comfort

Proven
- ISFET is since 15 years well known in the laboratory, industrial and process industry
# Laborie ISFET Impedance-pH catheters

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- □ = Impedance ring
- ● = pH sensor
- ○ = sphincter locator

![Ohmega - Ambulatory Impedance-pH Recorder](image_url)

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