



NGPOD®

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A pH test device which confirms acidity (pH5.5 or below) at the distal tip of a fibre-optic sensor inside an in-situ nasogastric tube, as part of the Nasogastric placement confirmation pathway.



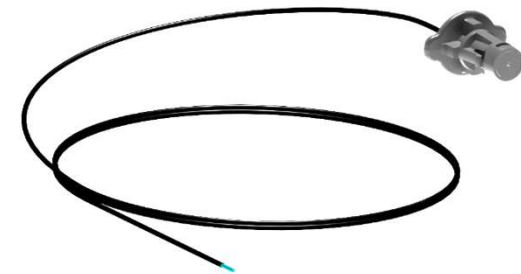
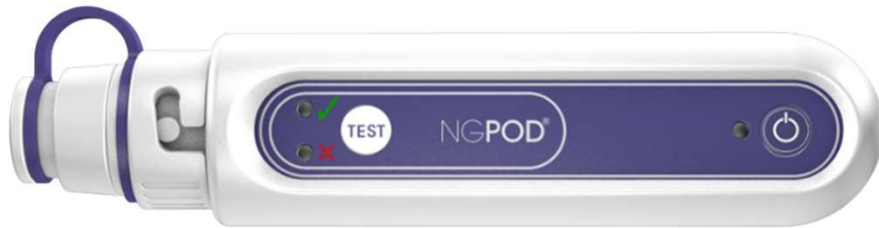
Learning Objectives

- To feel competent and confident to perform the NGPOD test
- Know when & how to pH test using the NGPOD System
- Know how to store NGPOD correctly
- Know what assistance is available

NOTE: NGPOD should only be used by trained clinical personnel as indicated in the local NHS Trust nasogastric tube policy. The result should not be used to override clinical judgement if other concerns or observations during placement indicate referral to senior personnel or for Chest X-ray.

NGPOD[®] System

A proven pH test system for assisting NGT placement confirmation



- ✓ Handheld, bedside test device
- ✓ Battery operated
- ✓ Objective result in c.20 seconds
- ✓ Reduces risks and feed/treatment delays
- ✓ Disposable single-use sensor
- ✓ Compatible with most NG Tubes
- ✓ Must use the correct sensor with the patient's NG Tube

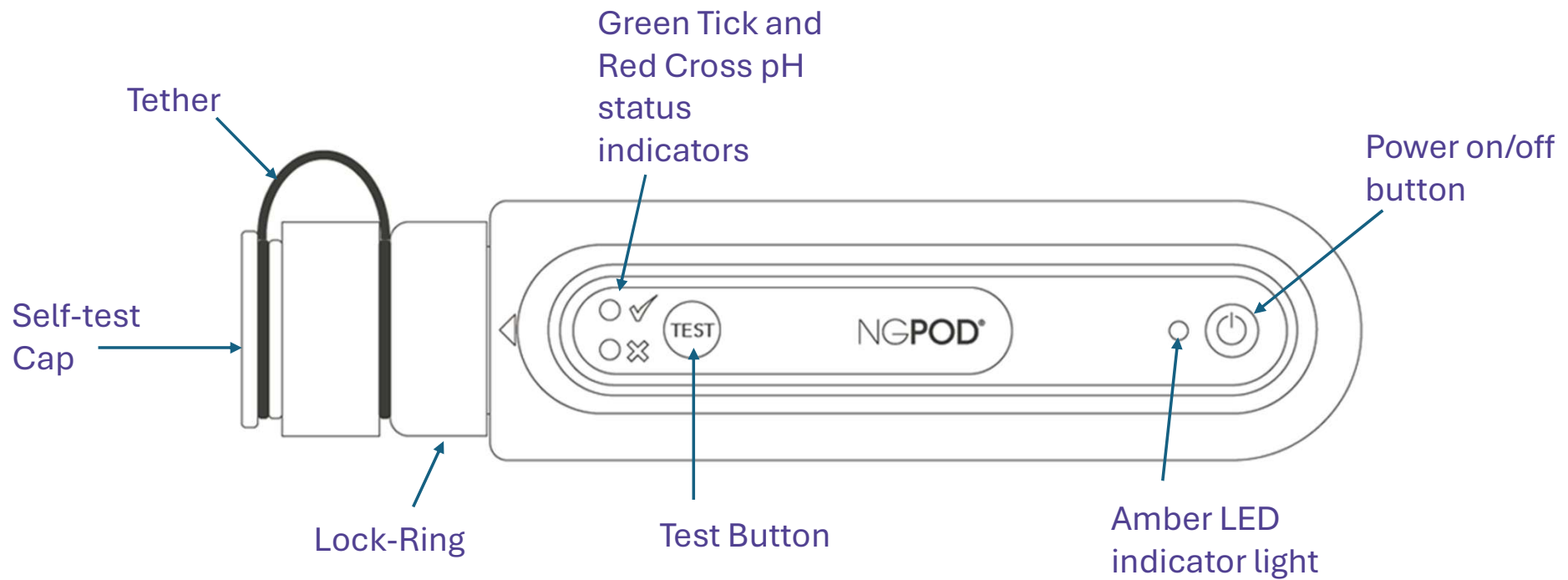
When not to use the NGPOD system

- If the patient is contraindicated for blind NG tube placement
- If pH testing is clinically contraindicated
- When observations during placement indicate concern



The NGPOD Handset (semi-disposable)

Always check for any visible signs of damage to the pod, including cracked housing.
Do not use the NGPOD if it has been damaged to the extent that cracks are evident in the casing or if parts are missing.

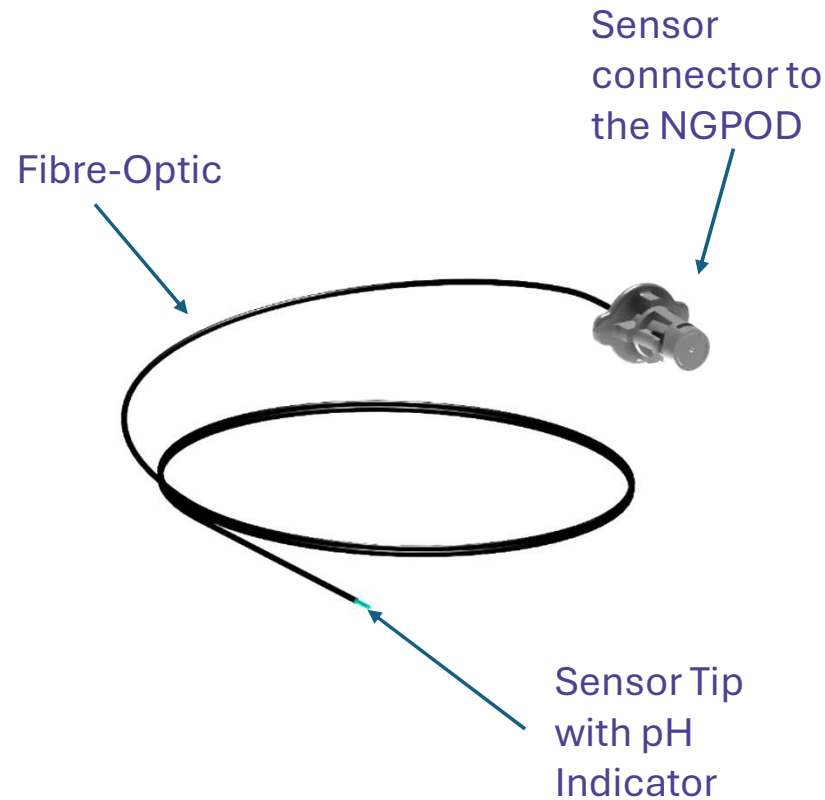


The NGPOD Sensor (disposable)

NGPOD Sensors come in various sizes according to the length and the feeding hole positions of the tubes used in your institution/department. It is important that the correct sensor is used for the NG tube. You can check this by scanning the QR code on the pod, or by checking the Appendix to the IFU on the NGPOD website for the full compatibility list.

Before starting an NGPOD test, check that the sensor packaging is sealed, intact and undamaged before use and the expiry date.

When operating the NGPOD handset the device will run a sensor check, prior to it being inserted into the nasogastric tube, to confirm the sensor tip is not damaged.



Step 1 - Cap on, Power on.

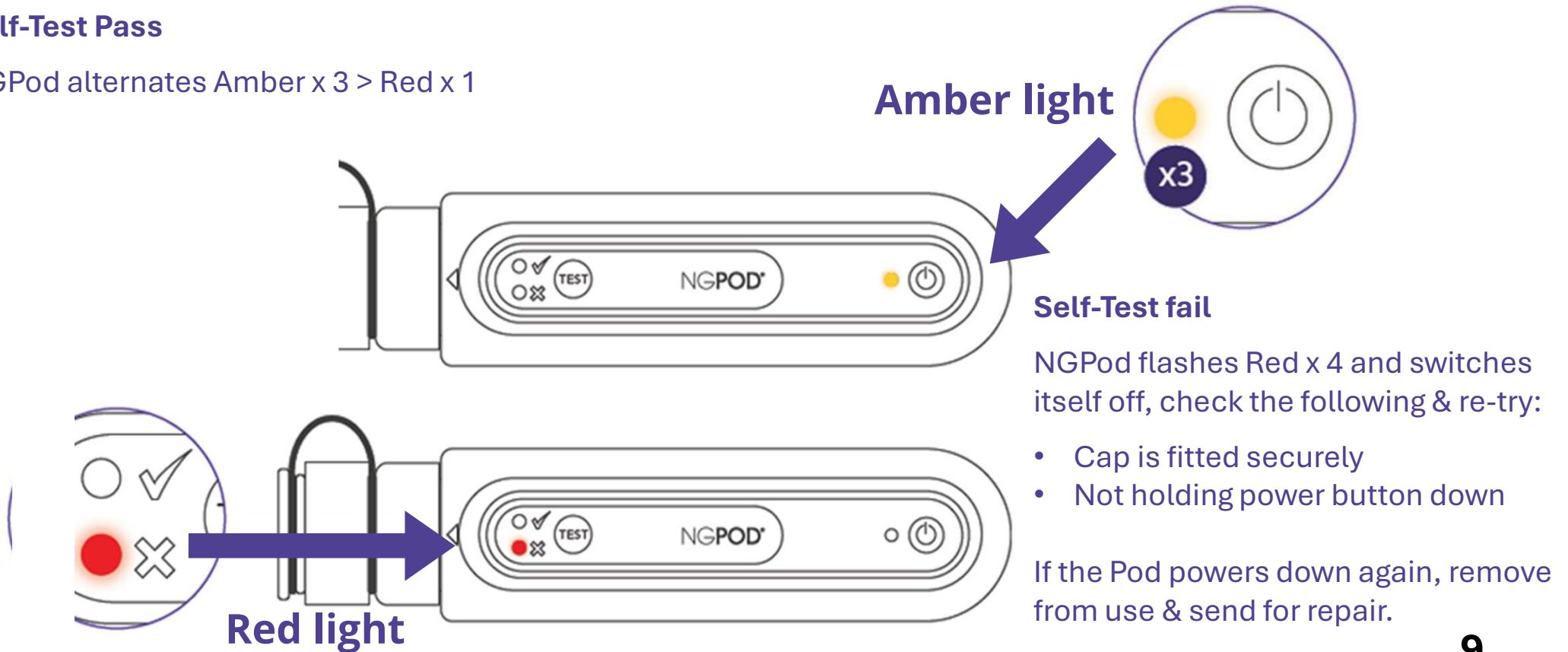


NOTE: If Red light flashes 4 times and POD switches off, check troubleshooting guide.

During power up the handset performs a self-test to check the internal system.

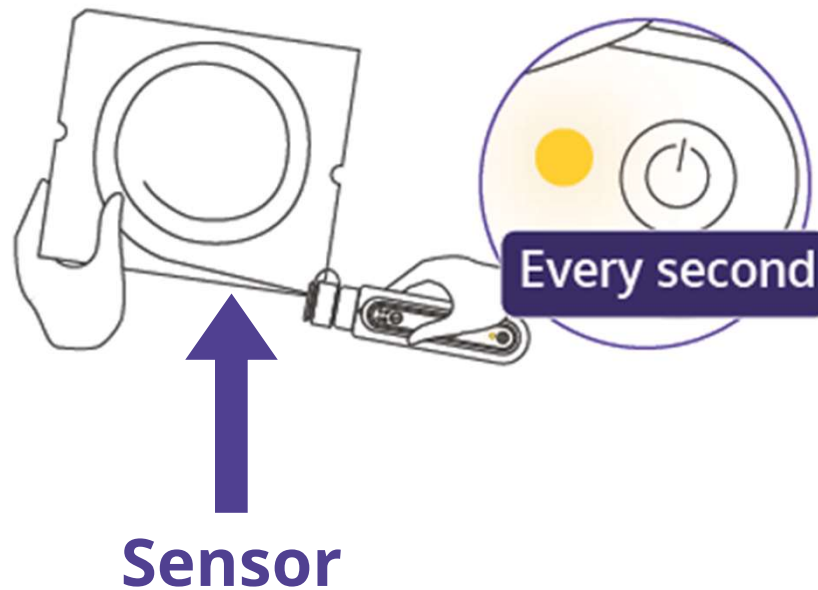
Self-Test Pass

NGPod alternates Amber x 3 > Red x 1

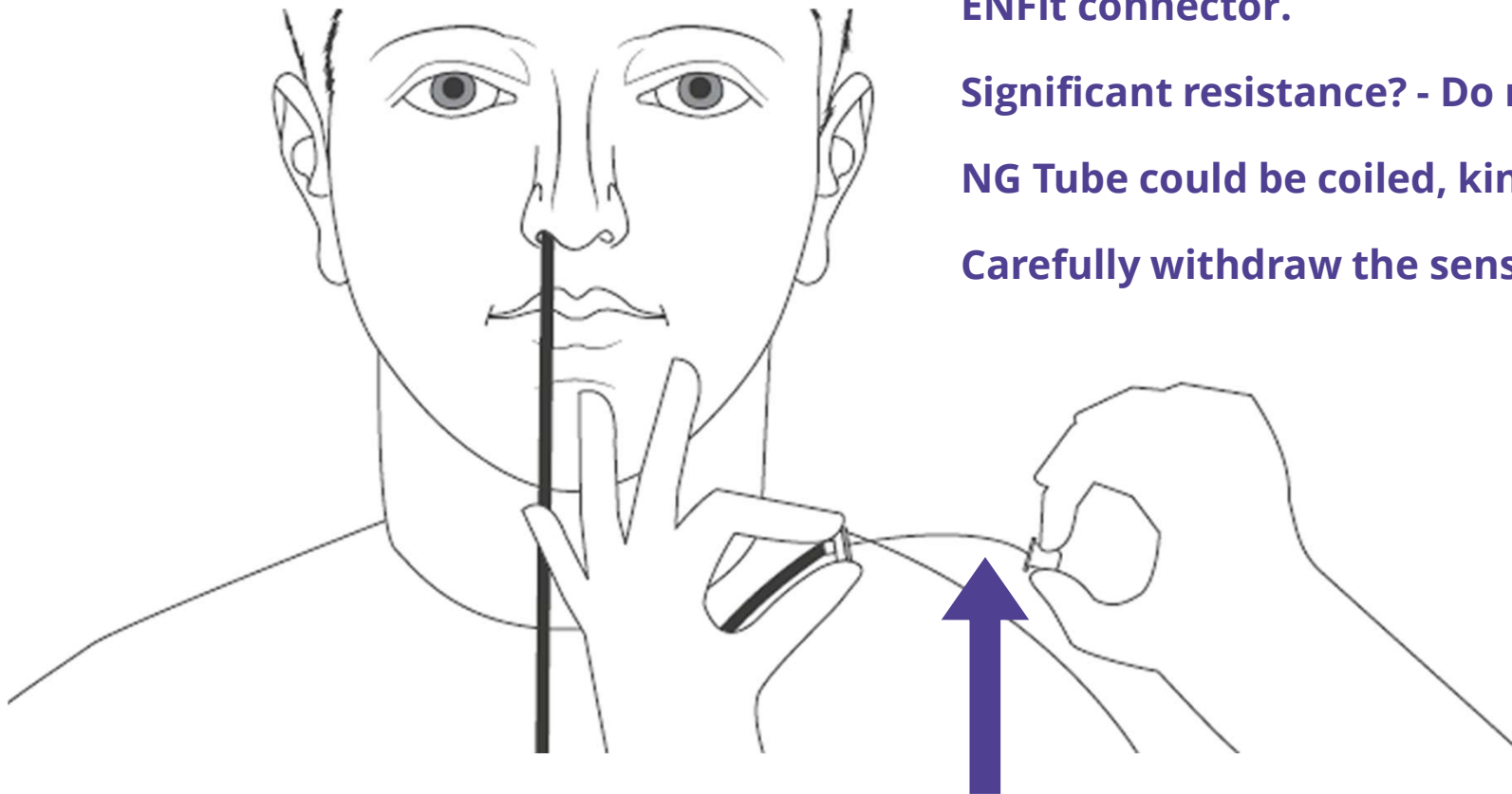


Step 2 - Sensor Check

Remove cap & attach new sensor - the red light will stop flashing and the amber light will repeat. Detach sensor & insert into patient's nasogastric tube.



Step 3. Sensor Insertion



Insert until grey sensor connector is flush with ENFit connector.

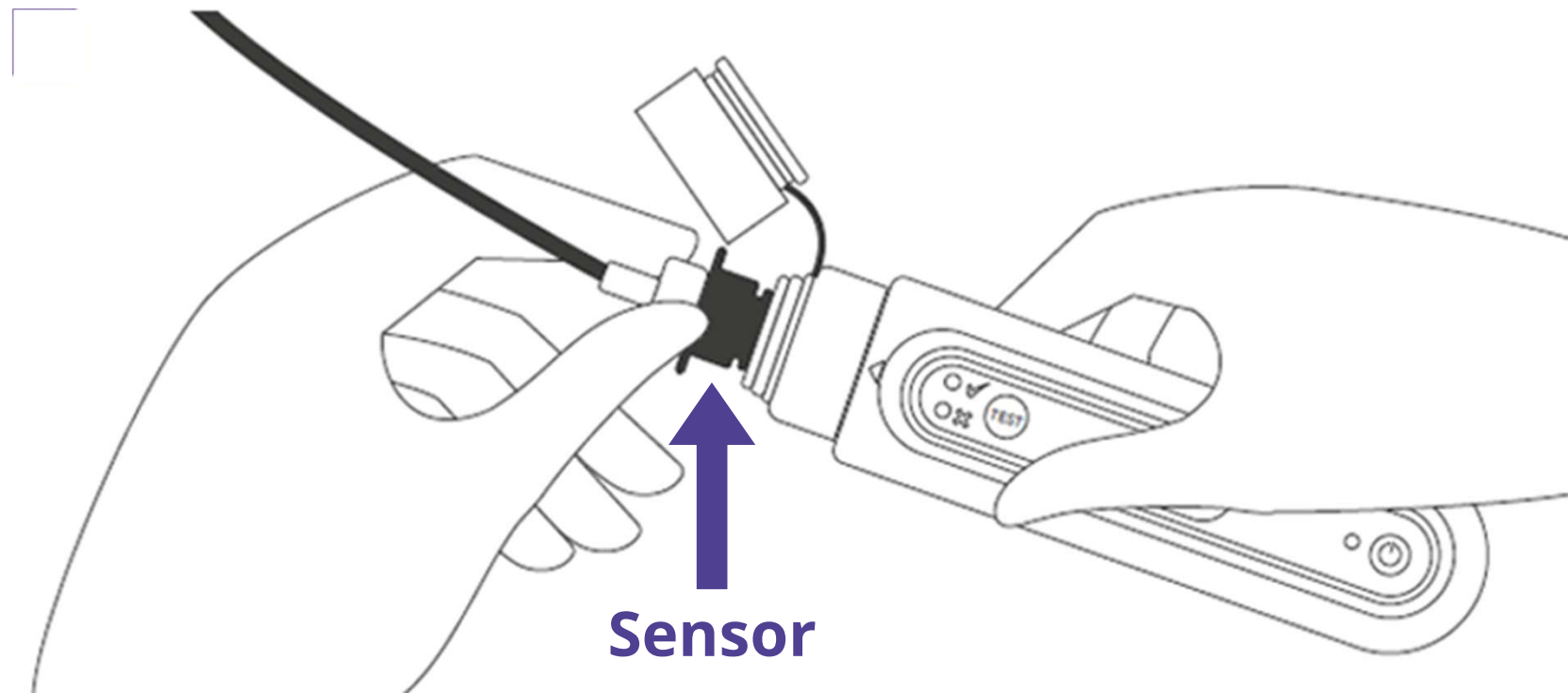
Significant resistance? - Do not proceed.

NG Tube could be coiled, kinked or occluded.

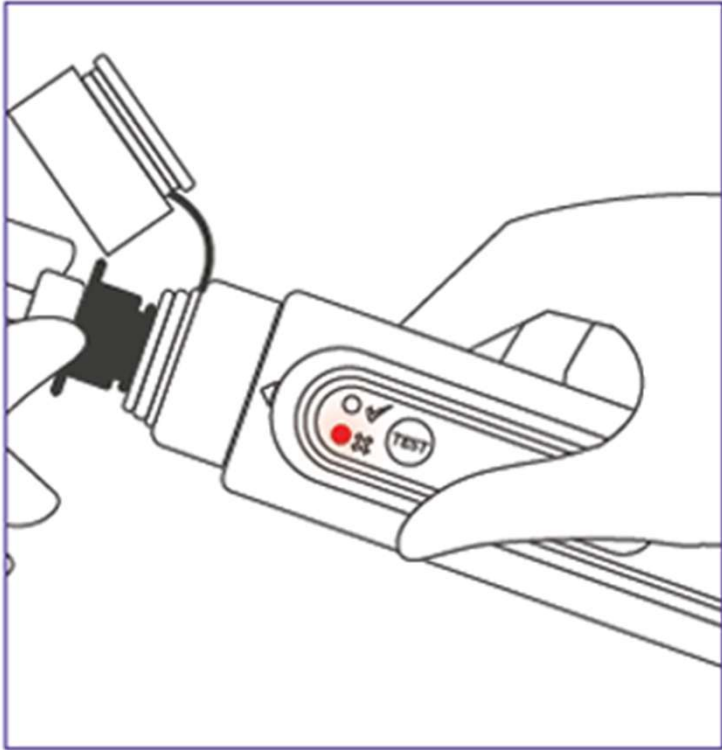
Carefully withdraw the sensor.

Sensor

Reconnect to NGPOD handset



Step 4. NGPOD Test & Results



Press TEST button after 20 seconds.

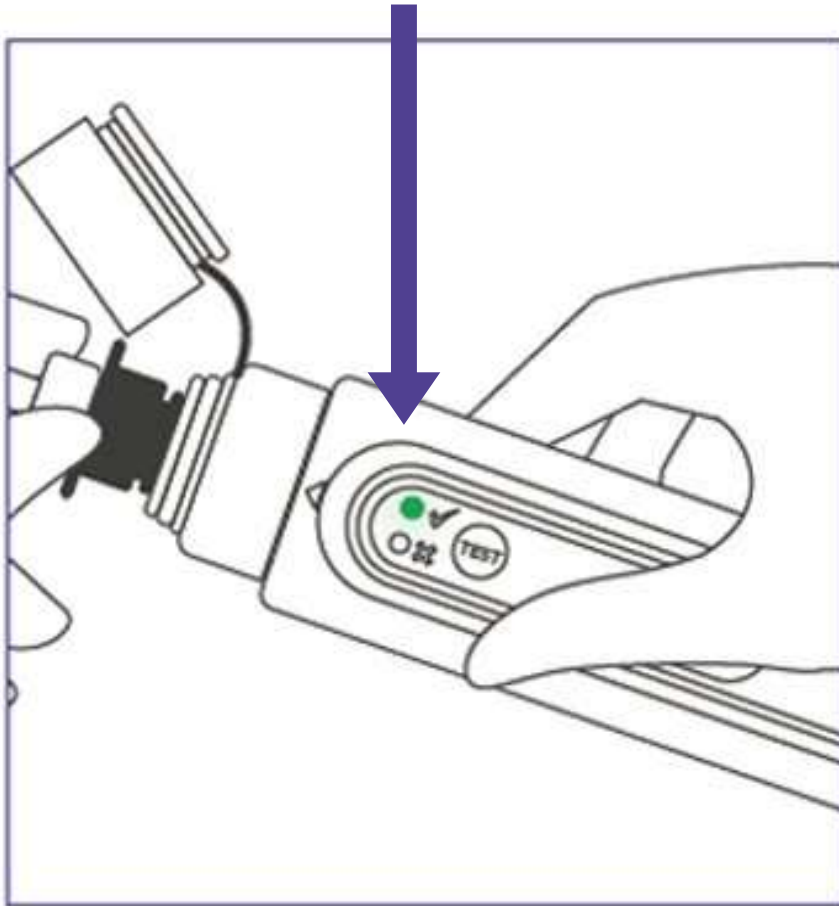
Red result (✗) indicates pH>5.5/No Result (sensor not in contact with fluid).

Press test button periodically until a **Green** light (✓) is observed or 5 minutes have passed since first pressing TEST.

After 2 minutes if still red, perform interventions as per your Trust policy.

NOTE: acid reducing medication or presence of recent feed can affect the time needed to test.

Green Result (✓)



Green light (✓) indicates the presence of acidity, pH 5.5 or below, at the tip of the sensor.

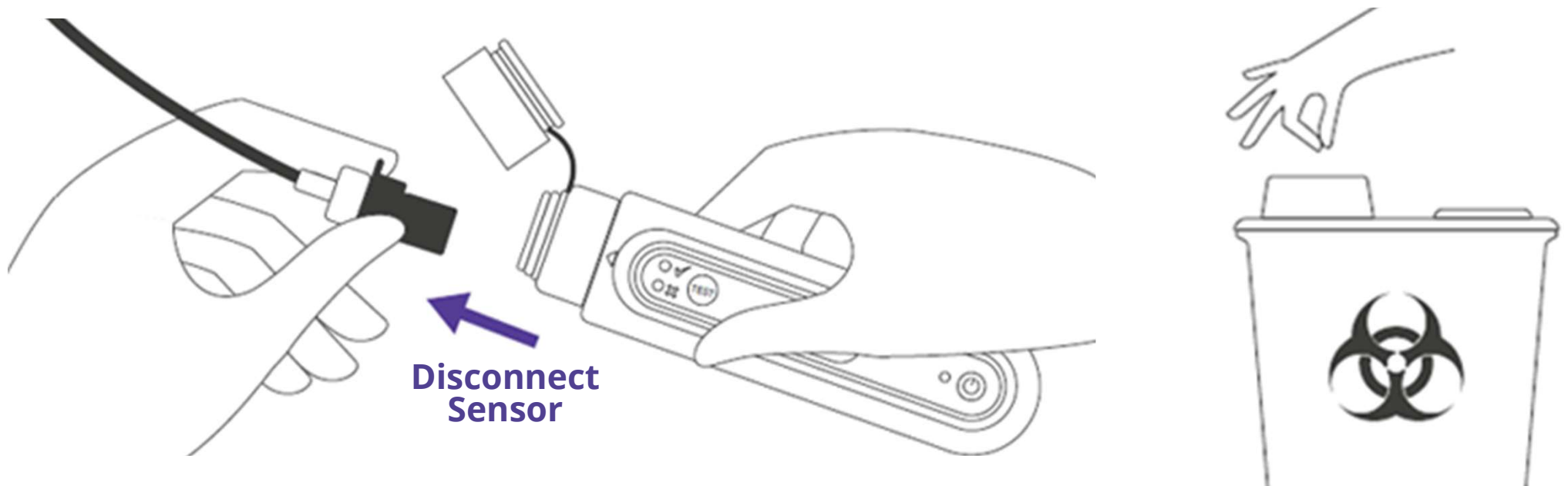
Test is complete.

Clinical Considerations

- If the NG tube cannot be advanced to the intended insertion depth, or beyond, in accordance with local policy, the NGPOD result **must not be used in isolation**.
- Acidic fluid with a pH less or equal to 5.5 may be present outside the stomach following reflux, aspiration, or other conditions. This presents potential risk for all pH-based confirmation methods.
- Clinicians should be aware of the signs that a patient is struggling with secretions and/or clearing them, e.g., a wet voice, gurgling, a weak voice and frequent use of a spit cup.

Note: NGPOD observes a colour change of a reagent at the fibre-optic sensor tip. Exposure to fluid with a pH of 5.5 or less causes the tip to change colour from blue to green/yellow. **This reaction can occur even with amounts less than normally required for pH testing.**

Disconnect and Dispose Sensor. Turn off the POD. Record Result.

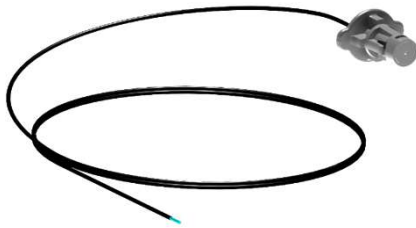


**Clean the POD after use with anti-bacterial wipes.
Dispose of the sensor as clinical waste.**

Storage

Sensor

- Store sensors in their box at an ambient temperature of 0-30C
- Do not store sensors in direct sunlight or in bright artificial light.
- Do not store in high humidity
- Do not store near a strong electromagnetic field



NGPOD Device

- Clean and disinfect the NGPOD after use before storage
- Store the NGPOD between use in a designated storage area
- Do not store the NGPOD in an environment of high temperature, humidity, explosive or inflammable atmosphere or strong magnetic fields.



Troubleshooting

Problem	Symptom	Remedies
Pod fails self-test	Red LED flashes 4 times before Pod switches off	<ul style="list-style-type: none"> • Check test cap is fitted correctly before powering on • Report to Customer Service
LEDs are not functioning	Red, Amber or Green LED does not display during self-test of Pod	<ul style="list-style-type: none"> • Report to Customer Service
Sensor fails Sensor Check	Pod will not enter pH test mode, will continue to flash 3x Amber to 1x Red	<ul style="list-style-type: none"> • Check sensor connector is correctly fitted into POD • Remove sensor from POD and press and hold ON/OFF button to switch POD OFF. Ensure test cap is fitted and switch POD back ON to repeat POD self-test. Remove test cap and reconnect sensor to POD • Sensor is damaged or defective. Use a new sensor
Low Battery	Amber LED flashes 10 times during self-test	Report to Customer Service for free replacement

Useful Information

Customer Service	info@ngpodglobal.com +44 (0) 161 696 6400
Website	https://www.ngpodglobal.com
Sensor Compatibility (Appendix 1)	NG Tubes Compatible with NGPOD
How to Use NGPOD Video	https://www.youtube.com/watch?v=tdSancuiN7g

 @NGPODGLOBAL

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Scan for:

- Full NGPOD Instructions for Use
- NGPOD Quick User Guide
- Sensor Compatibility
- Cleaning Guidelines