

AVANOS

as^pHirate pH INDICATOR STRIPS

CE (IVD) marked for testing human gastric aspirate for
the assessment of correct nasogastric tube placement



INNOVATING THE STANDARD

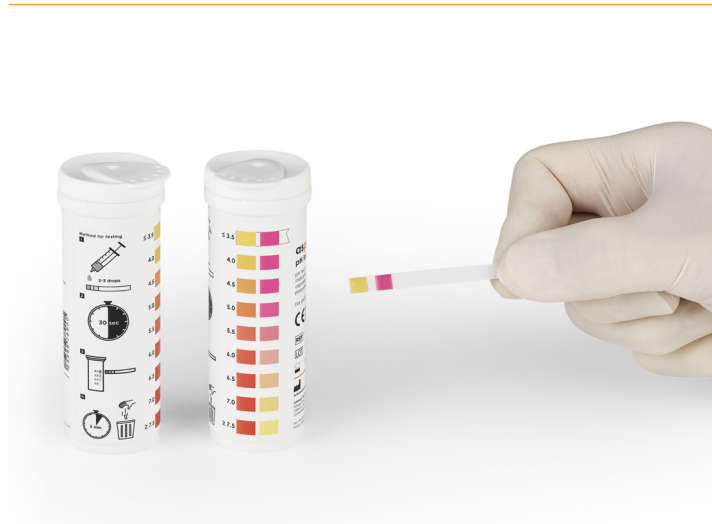
DEVELOPED WITH HEALTHCARE PROFESSIONALS
- ADVANCING PATIENT SAFETY

INNOVATING THE STANDARD

The background

Results from an audit examining the viability of pH indicator strips for nasogastric tube placement found participants made up to 11.15% errors reading the strips and reported anxiety in their use.¹

Study results supported the development of new pH indicator strips that are more usable and less likely to be misread.¹



**Test data demonstrated
100% accuracy at
clinical decision values**

Test data on file demonstrated
accuracy /results at clinical decision
values 4.0, 4.5, 5.0 & 5.5

The standard

Before any liquid or feed is introduced into a nasogastric tube, confirmation that the tube tip is in the stomach, by pH testing or x-ray, must be completed.^{2,3}

Testing the pH of gastric aspirate to show pH ≤ 5.5 is the recommended first-line test to confirm correct placement of nasogastric tubes and reduce the risk of potentially fatal aspiration.²⁻⁵

Confidence and reassurance

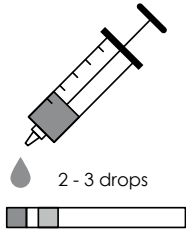
The accuracy of the **aspHirate** pH Indicator strips is supported with independent test data.

SMTL (NHS Surgical Materials Test Laboratories) has completed testing on the **aspHirate** device as part of an NWSSP procurement programme, and the results will be available later this year.

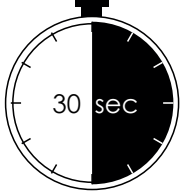
KEY FEATURES

Method for testing

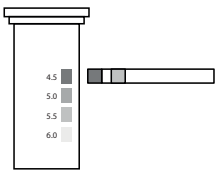
1



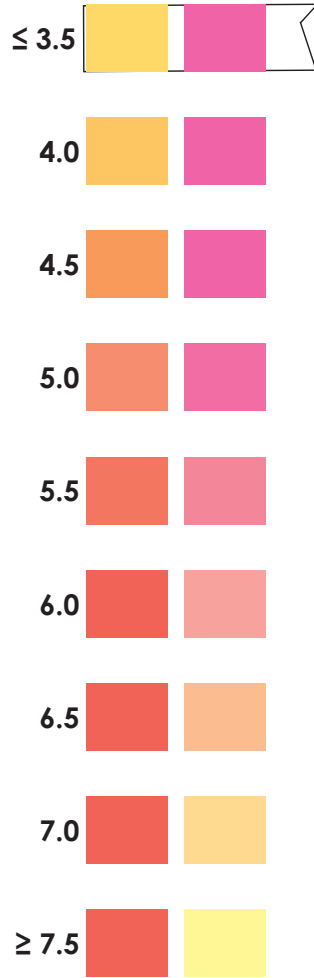
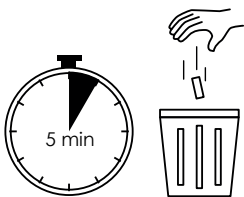
2



3



4



aspHirate pH Indicator strips

pH test strips for the semi-quantitative indication of pH in human gastric tube aspirate for the assessment of correct tube placement

For professional use only

- Easy to read at critical clinical decision values
- Accuracy supported with independent test data
- Adjusted to read water at pH 7
- Unique scale for accurate documentation
- Unique single scale printed lengthwise for ease of use
- Pictorial instructions alongside scale
- Unique 2 colour match
- Desiccant lid

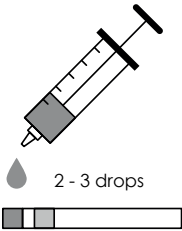
Increased confidence for consistent results

How do we know that aspHirate strips are accurate?

aspHirate pH Indicator strips are tested and calibrated using pH buffers that are traceable to NIST (National Institute of Standards and Technology). The pH buffers have also been checked using a NIST-calibrated pH meter. Independent testing performed by SMTL (NHS Surgical Materials Test Laboratory).

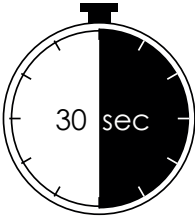
USING aspHirate pH INDICATOR STRIPS

1



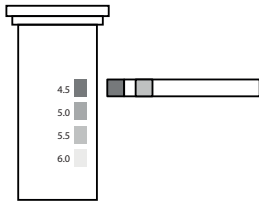
2 - 3 drops
of aspirate to strip

2



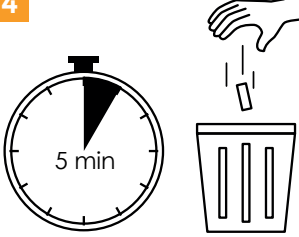
30 sec

3



4.5
5.0
5.5
6.0

4



5 min

Add 2 to 3 drops of aspirate to strip

Wait 30 seconds

Compare the colours on the indicator strip with the scale on the container

The strip can be read for up to 5 minutes, - discard after use

Enteral accessories

aspHirate pH indicator strips

Product Code	Description	Unit of supply
150.1	aspHirate pH Indicator strips, 0.5 increments, CE, (IVD) for human gastric aspirate, range 3.5–7.5	100 per pot

For more information:

From the UK please call Avanos at 0800 917 65 85 - fax 0800 169 02 35 or send an email to customerservice.uk.ie@avanos.com

From N-Ireland please call Sangers Surgical at 028 9056 7135 - fax 028 9070 5623 or send an email to Hospital@sangersaah.co.uk

From IRL please call Uniphar Hospital Services at +353 1 468 84 56 - fax +353 1 466 07 82 or send an email to unipharhospitalservices@uniphar.ie

From all other countries please call Avanos at +32 2 700 68 51 - fax +32 2 711 26 91 or send an email to customerservice.export@avanos.com

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References:

1. Borsci S, et al. *PLoS ONE* 2017;12(11):e0189013.
2. NPSA. Reducing the harm caused by misplaced nasogastric feeding tubes in adults, children and infants. NPSA/2011/PSA002. 2011.
3. NNNG. Good Practice Guideline – Safe insertion of nasogastric (NG) feeding tubes in adults and ongoing care. 2016.
4. NHS PSA. Nasogastric tube misplacement: continuing risk of death and severe harm. NHS/PSA/RE/2016/006. 2016.
5. Rowat AM, et al. *BMJ Open Gastroenterol* 2018;5:e000211.

NIST, National Institute of Standards and Technology; **NNNG**, National Nurses Nutrition Group; **NPSA**, National Patient Safety Agency; **NWSPP**, NHS Wales Shared Services Partnership; **SMTL**, NHS Surgical Materials Test Laboratory.

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