

GastroCH₄ECK[®] Gastrolyzer[®]

Hydrogen and methane monitoring to aid in the diagnosis of gastrointestinal disorders.



Infection control plays an important role in the medical device industry, but now more than ever, we must take extra precaution to ensure the safety of healthcare professionals and patients alike when performing Hydrogen Breath Testing (HBT) to aid in the diagnosis of gastrointestinal disorders. This guide has been put together to help you safely resume HBT monitoring.

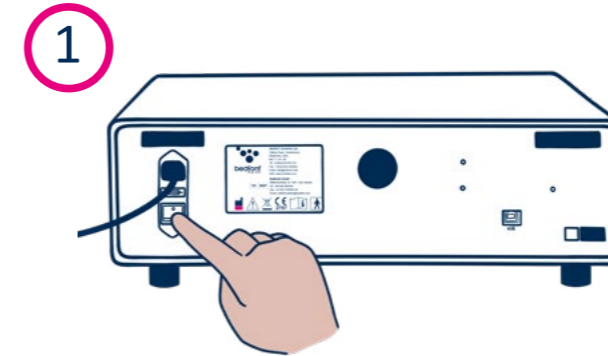
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Important Information:

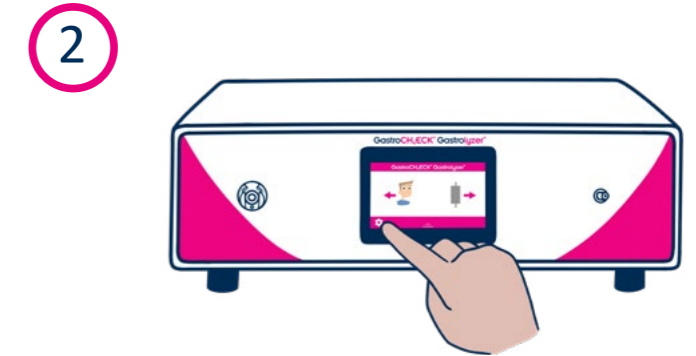
NOTE: The GastroCH₄ECK® Gastrolyzer® should be wiped down before and after each test. For a full list of recommended cleaning wipes and solutions, please visit: <https://www.bedfont.com/cleaning-bedfont-monitors>

How to perform a calibration:



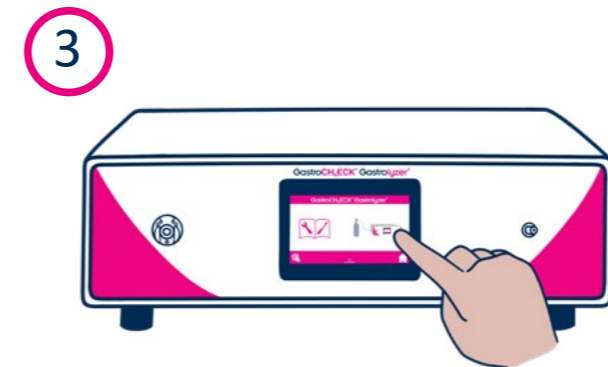
1

To perform a calibration test, firstly make sure that the GastroCH₄ECK® Gastrolyzer® is plugged into the mains and to turn on the monitor. Please note calibration is only possible if the monitor has been switched on for 1 hour



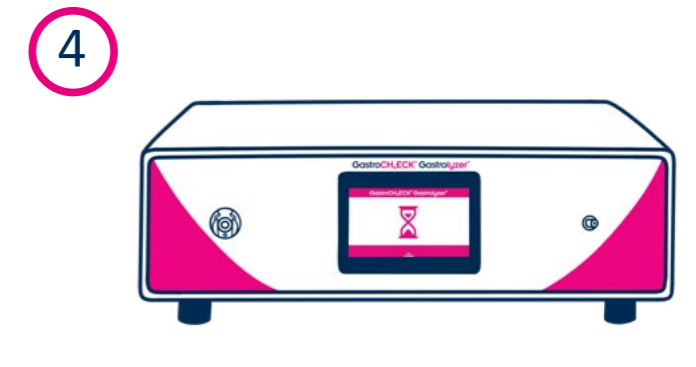
2

Press the settings icon to open the settings menu



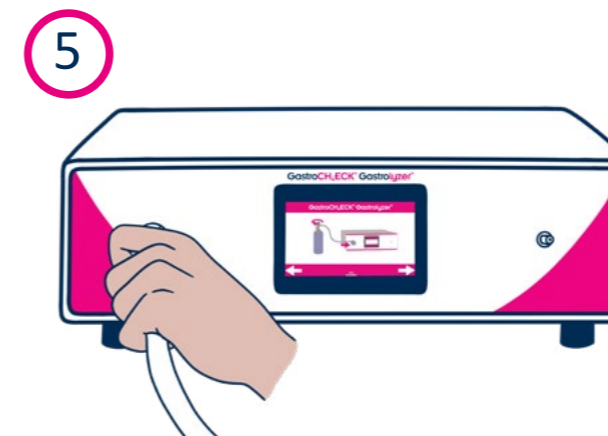
3

Press the calibration icon to start the calibration



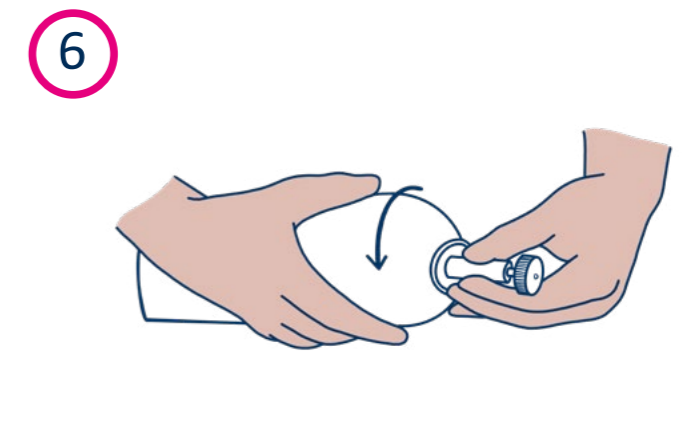
4

Allow the GastroCH₄ECK® monitor to zero. If the monitor is too cold or hot please wait for it to come to ambient temperature before continuing



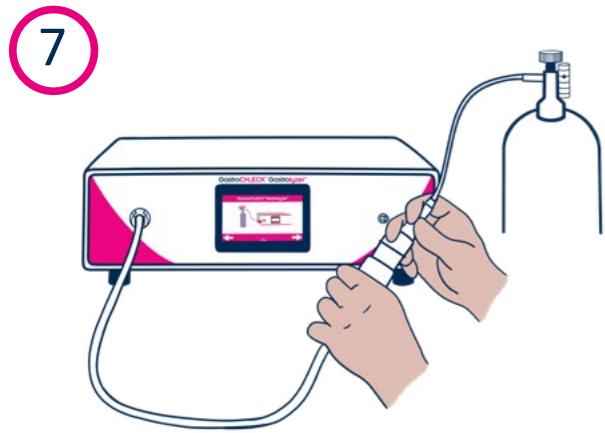
5

Connect the direct sample line to GastroCH₄ECK® monitor, there should be an audible click

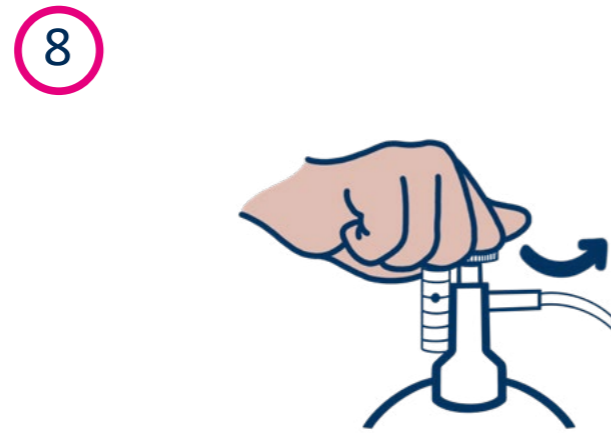


6

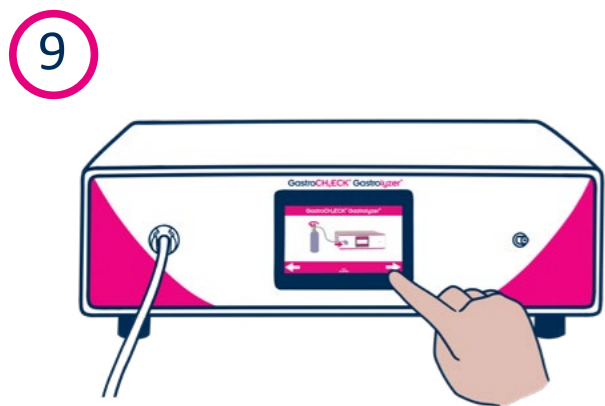
To perform a calibration using gas, firstly attach the gas canister to the gas regulator by screwing the canister into the regulator



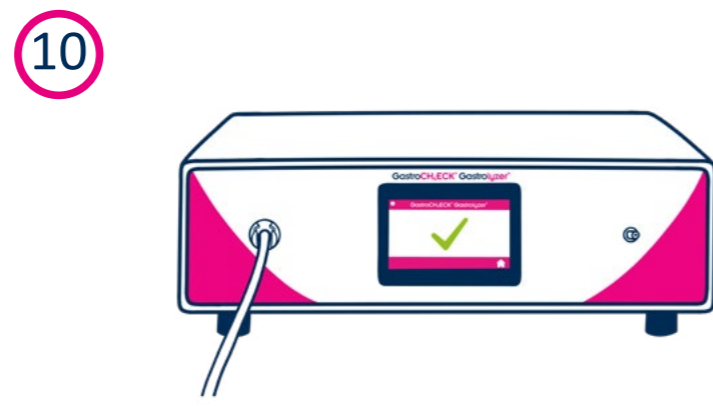
Attach the regulator to the direct sample line



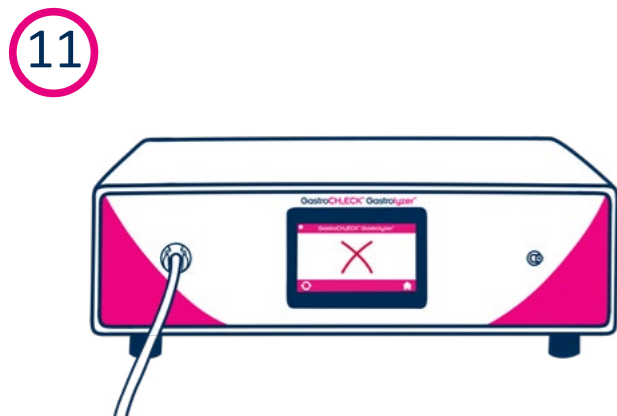
Open the gas regulator to perform the test



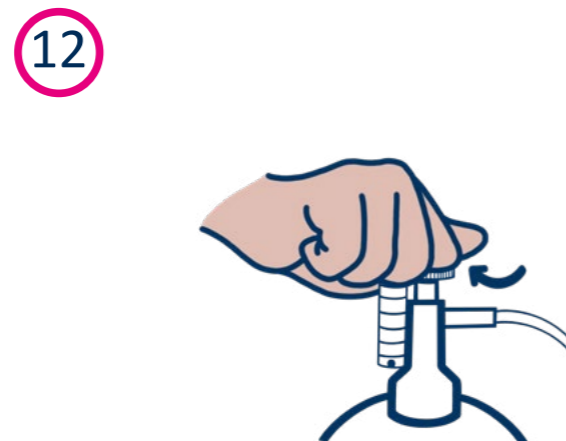
Press the next arrow on screen



If the GastroCH₄ECK® successfully completed its calibration a green tick will show.



If the the GastroCH₄ECK® monitor failed its calibration a red cross will show, press the retry icon to try again. If unsuccessful consult the troubleshooting manual or call your Bedfont® supplier



Close the regulator when the calibration is finished

How to perform a breath test:

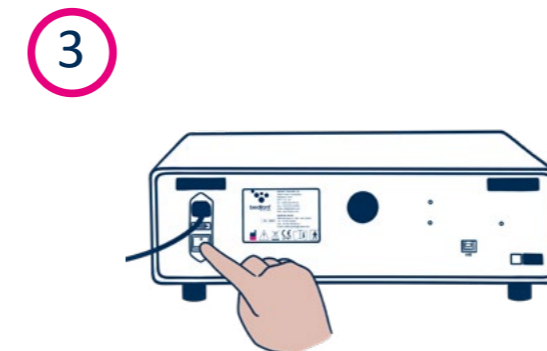
Bedfont® Scientific Ltd. has put together some advice on how to safely perform breath tests during the pandemic, however, first and foremost, it is recommended that you follow your local guidelines on breath testing procedures and necessary PPE



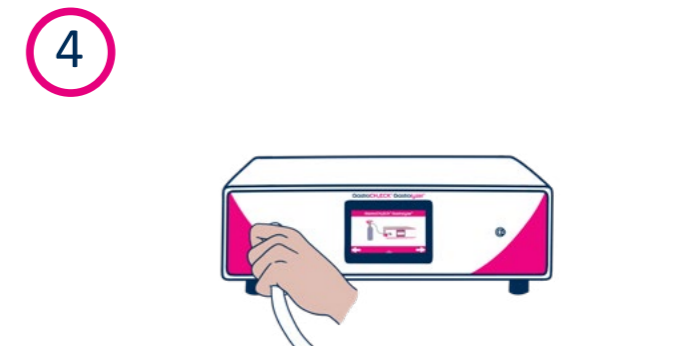
The GastroCH₄ECK® should be wiped down before and after each test. For a full list of recommended cleaning wipes and solutions, please visit: <https://www.bedfont.com/cleaning-bedfont-monitors>



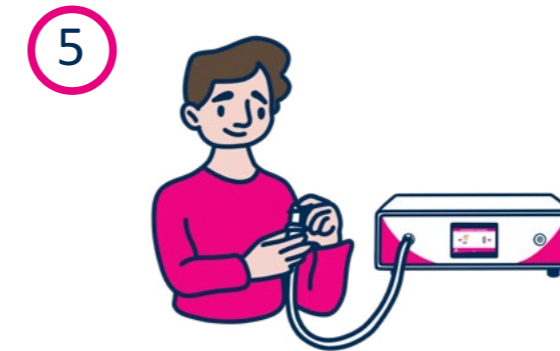
The external surfaces of the sample line should also be wiped down before and after each test



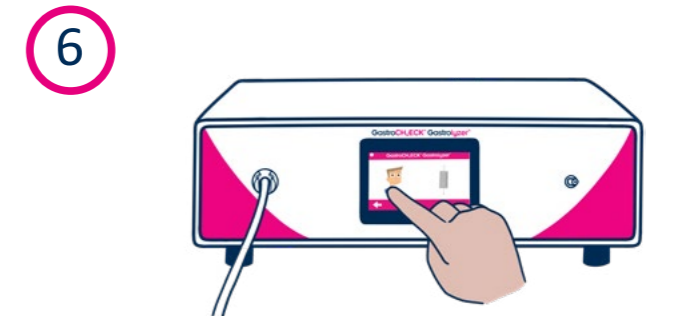
To perform a breath test, firstly make sure that the GastroCH₄ECK® Gastrolyzer® is plugged into the mains and to turn on the monitor.



Connect the direct sample line to the GastroCH₄ECK® Monitor, there should be an audible click



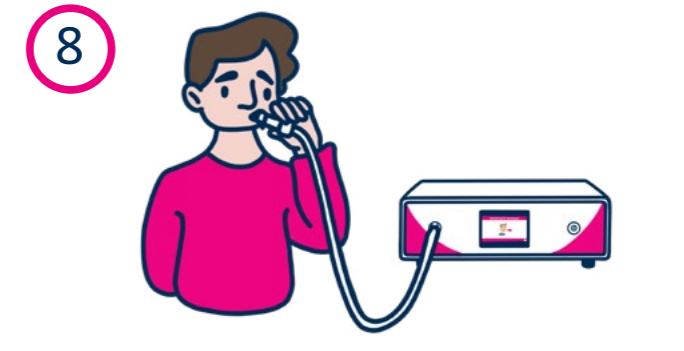
A new mouthpiece should be used for each patient. It is best practice for the patient to attach their own mouthpiece to the sample line



Press breath test icon to start the test and allow the monitor to zero, Press capture now if you're using the GastroCHART™ software



Follow the instructions on the GastroCH₄ECK® to complete a breath test. Firstly, inhale



Exhale slowly into the mouthpiece, trying to keep the arrow in the green section, the test will automatically start and the arrow will turn green when the breath O₂ reduces to the target 15%

9



The test will automatically stop after 3 seconds or when it is manually ended

10



The final results will be shown on screen, Note the results now if recording manually. Press the question mark icon for a visual indicator of the results

11



A green happy face indicates a successful test

12



If a red unhappy face is displayed, it is recommended to retake the test.

13



Allow the Patient to throw away their used mouthpiece

14



Results can be interpreted using the Gastrolyzer® interpretation wheel

15



The external surfaces of the GastroCHECK® and the sample line should be wiped down before and after each test.
For a full list of recommended cleaning wipes and solutions, please visit:
<https://www.bedfont.com/cleaning-bedfont-monitors>

How to collect a face mask breath sample:

1



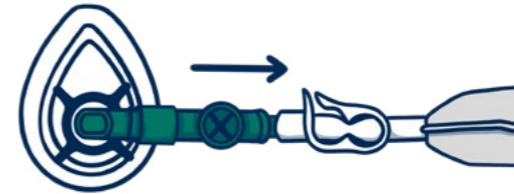
Place the white clamps on the breath bag and leave one open

2



Insert a plug into the end of the bag with the closed clamp

3



It is best practice for the patient to insert a facemask adapter into the inlet of the breath bag and a facemask into the adapter

4



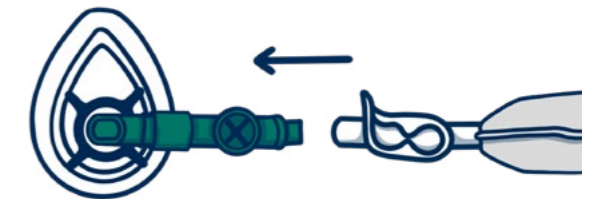
The Patient should exhale into the breath bag via the face mask until it is full

5



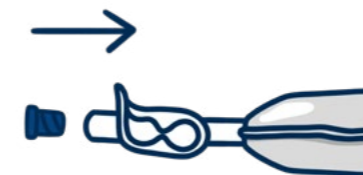
Once the breath bag is full, the patient should firmly close the clamp at the top; a click will be audible

6



Once the clamp is firmly closed, remove the facemask and adapter from the breath bag

7



Place a blue plug into the inlet of the breath bag to secure the breath sample

How to analyse breath bag sample:

1



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please visit: <https://www.bedfont.com/cleaning-bedfont-monitors>

2



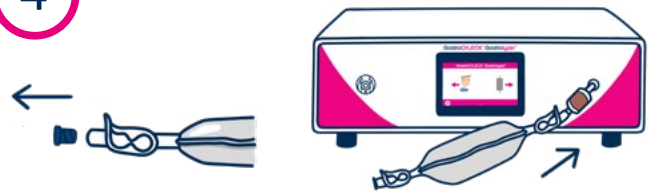
The external surfaces of the sample line should also be wiped down before and after each test

3



Connect the moisture filter to the breath bag sample connector

4



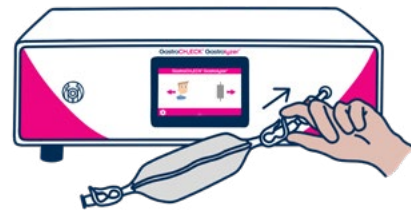
Remove the blue plug from the filled breath bag and connect the breath bag to the moisture filter

5



Press the breath bag icon to begin

6



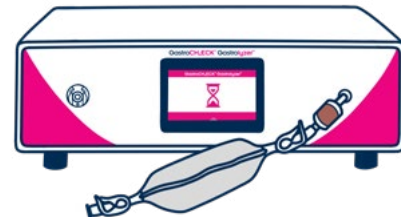
Open the clamp on the inlet of the breath bag

7



Press the next arrow to begin the sampling

8



Once zeroed, GastroCH₄ECK® will automatically begin sampling, if using GastroCHART™ begin capturing now

9



The final results will be shown on screen, note the results now if recording manually

10



The GastroCH₄ECK® should be wiped down before and after each test.
For a full list of recommended cleaning wipes and solutions,
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