

GastroCH₄ECK[®] Gastrolyzer[®]

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

Quick Start Guide



For the full manual and other important literature to help you use the GastroCH₄ECK[®] Gastrolyzer[®] to the best of its ability, please visit:
www.covita.net



Official Bedfont Distributor

USA Representative for Sales, Service & Support:

coVita
212 Cottage Grove Ave Suite C
Santa Barbara, CA 93101
Tel: 800.707.5751 Fax: 800.721.2377
Email: service@covita.net Website: www.covita.net



Bedfont[®] Scientific Ltd.
Station Road, Harrietsham, Maidstone,
Kent, ME17 1JA England
Tel: +44 (0)1622 851122 Fax: +44 (0)1622 854860
Email: ask@bedfont.com
Web: www.bedfont.com



Stephen Rowe
Cristimar E4-1
Ave Juan Carlos I
Los Cristianos, Arona, 38650
Santa Cruz de Tenerife, Spain














© Bedfont[®] Scientific Limited 2023

Issue 5 - March 2023, Part No: LAB741_AX_USA
Bedfont[®] Scientific Limited reserves the right to change or
update this literature without prior notice.
Registered in: England and Wales. Registered No: 1289798





Rx only














Taking a mouthpiece breath test

1. Make sure the power cord is connected and the GastroCH₄ECK® is switched on
2. Connect the sample line to the sample line connector; a click should be audible 
3. Attach the mouthpiece to the sample line
4. Press 
5.  will be shown onscreen while the sensor is zeroing
6. When prompted by , inhale and hold breath for the pre-set 15 seconds
7. A beep will sound during the last 3 seconds of the countdown
8. Blow slowly into the mouthpiece, aiming to keep the arrow in the green section 
9. The arrow will change colour as the O₂ level in the breath sample reduces to the target 15%, at which point it will turn green and the test will automatically stop after 3 seconds 
10. If you cannot complete the test, press **END** 
11. The results will be shown onscreen
12. Press  for a visual indicator of the results:
 = good  = satisfactory  = poor, retake test
13. Press  to return to the results
14. To take another test, press  and then repeat steps 4-13
15. Remove the mouthpiece and sample line in between tests to purge the sensors with fresh air.

Collect a breath bag sample

1. Remove the blue plugs from the breath bag
2. Place two clamps on the inlet and outlet but leave them open 
3. Attach a mouthpiece to the inlet 
4. Exhale gently into the bag until your lungs are nearly empty 
5. When your lungs are nearly empty, close the clamp at the outlet
6. Fill the bag and then close the clamp at the inlet 
7. Replace the blue plugs
8. To take multiple breath bag samples, repeat steps 1-7 with new breath bags.

Analyse breath bag sample

1. Make sure the power cord is connected and the GastroCH₄ECK® is switched on
2. Attach the moisture filter to the bag sample connector 
3. Press 
4. Remove the blue plug from one end of the breath bag and attach to the moisture filter. Open the clamp on the inlet of the breath bag
5. Press  to begin breath bag sampling
6.  will be shown onscreen while the sensor is zeroing
7. Once zeroed, the GastroCH₄ECK® will automatically begin bag sampling for 45 seconds as indicated by , make sure that the clamp is open
8. The final results will be shown onscreen
9. Press  for a visual indicator of the results:
 = good  = satisfactory  = poor, retake test
10. Press  to return to the results
11. To take another test, press  and then repeat steps 3-10.