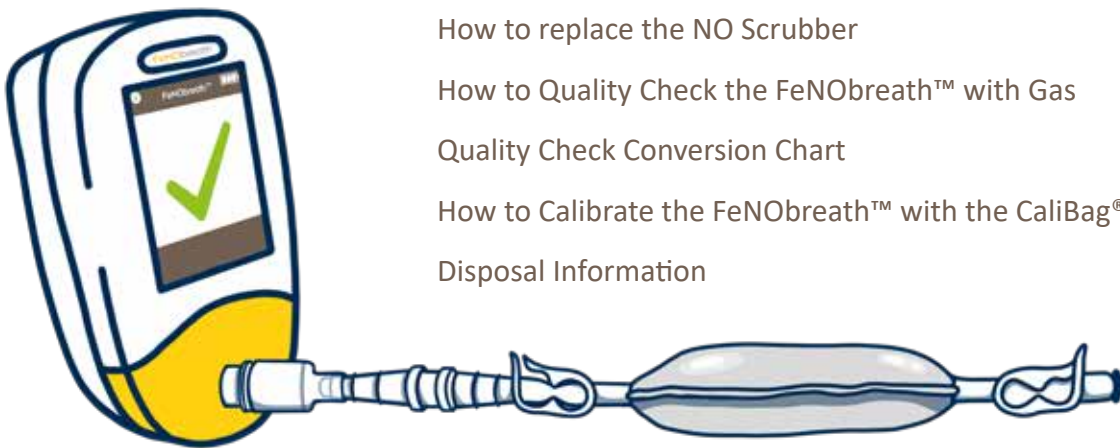


FeNObreath™

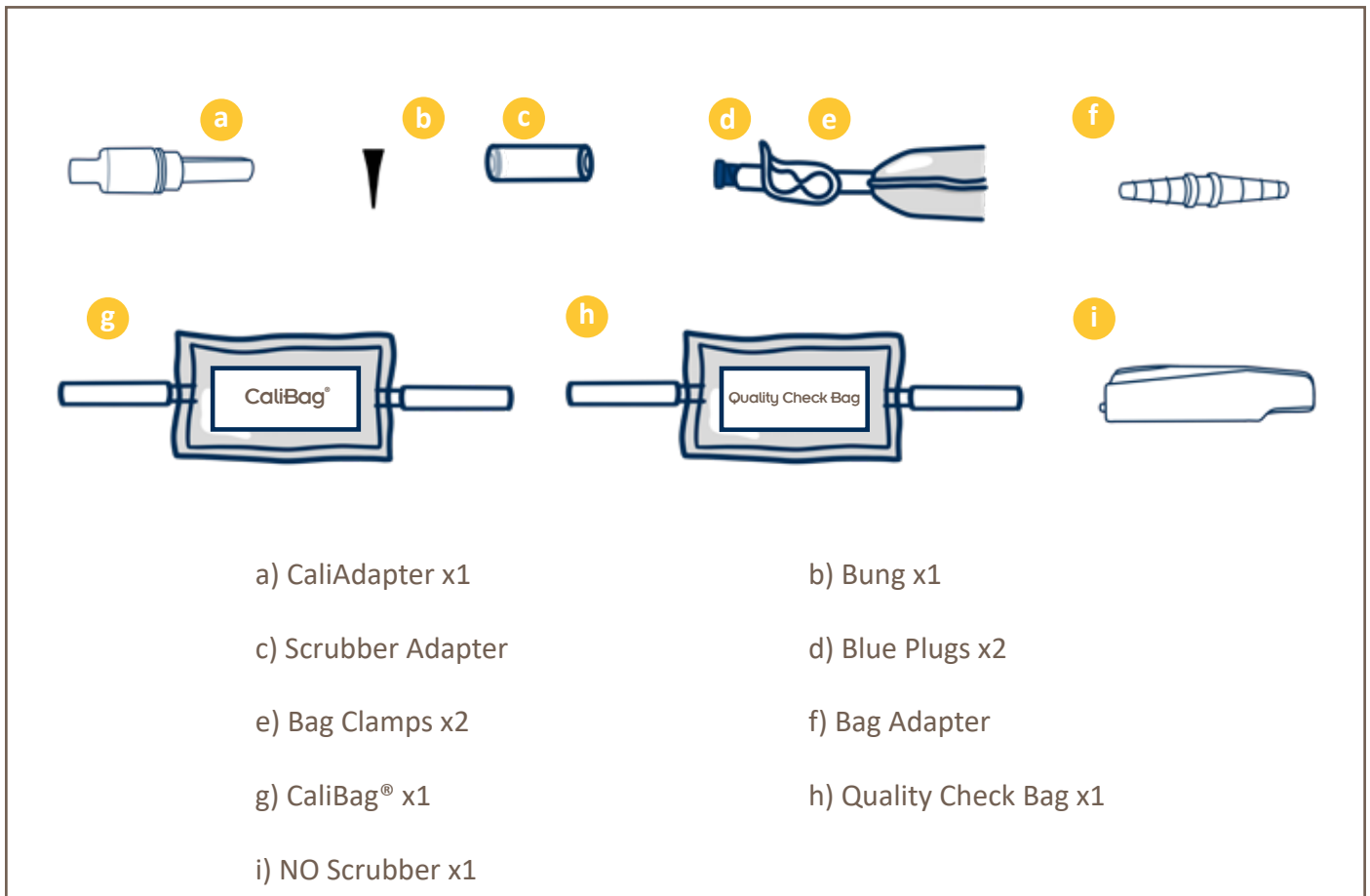
CaliBag® and Quality Check Kit Quick Start Guide

CONTENTS:

Important Information	Page 3
How to Quality Check the FeNObreath™ without Gas	Page 4
How to replace the NO Scrubber	Page 6
How to Quality Check the FeNObreath™ with Gas	Page 7
Quality Check Conversion Chart	Page 9
How to Calibrate the FeNObreath™ with the CaliBag®	Page 10
Disposal Information	Page 12



THIS KIT CONTAINS:



Safety Information

CAUTION: NO scrubber contains potassium permanganate and should be disposed of as hazardous waste in accordance with local waste disposal regulations.

CAUTION: NO scrubber contains potassium permanganate and should not be tampered with and should not be exposed to skin.

NOTE: Refer to main manuals for explanations.

Important Information

Before calibrating your FeNObreath™, it is important to read the following information:

- Please ensure you charge the FeNObreath™ for 24 hours prior to use if it has not been used in a while.

NOTE: The device will only charge whilst switched off.

- Please keep this Service and Quality Check Kit at 17-24 °C (63°F to 75°F) for 24 hours prior to use.

- Please make sure the FeNObreath™ is not plugged into the mains before following any of the advice in this document.

- Please ensure your FeNObreath™ monitor is updated with firmware version 3.0 and above.

The latest version of firmware can be downloaded from www.nobreathfeno.com

- Please ensure the gas has not expired and that the date has not surpassed the 'Expiry Date' labelled on the CaliBag®

- Please ensure the atmospheric temperature is between 17-24 °C (63°F to 75°F) before calibrating. If it is too cold to calibrate (<17°C or 63°F), a blue thermometer will be shown on-screen. Move the FeNObreath™ to a warmer area and try again later. If it is too hot to calibrate (>25°C or 77°F), a red thermometer will be shown on-screen. Move the FeNObreath™ to a cooler area and try again later.

For any further enquiries please see the FAQs by visiting the Help Centre at www.bedfont.com

How to Quality Check the FeNObreath™ without Gas

1



Attach the Scrubber Adapter to the Scrubber.

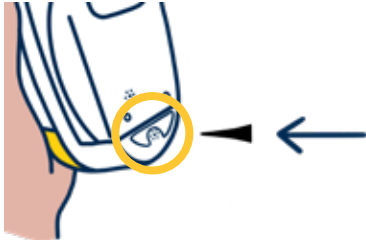
2



Next, attach the Scrubber to the CaliAdapter.

(CAUTION: NO scrubber contains potassium permanganate and should not be tampered with and should not be exposed to skin.)

3



Insert the Bung into the bottom vent hole on the back of the FeNObreath™.

4



Turn on the FeNObreath™.

5



Insert the other end of the CaliAdapter into the FeNObreath™.

6



Press the Settings icon .

7



Press the Ambient Test icon 

8



An hourglass will appear onscreen while the FeNObreath™ performs the Quality Check without gas.

9



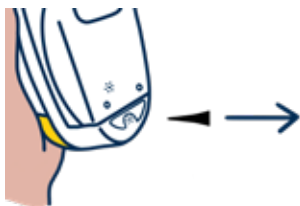
A reading will appear onscreen; a successful Quality Check will display an NO reading ≤ 5 ppb.

10



If the NO reading is > 5 ppb, please follow the next steps on page 6 replacing the NO scrubber and performing a Quality Check with gas.

11



Remove the Bung from the FeNObreath™.

12



Press the Home icon  to return to the home screen.

How to replace the NO Scrubber

1



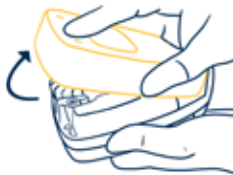
Please ensure the FeNObreath™ monitor is switched off before removing the back cover.

2



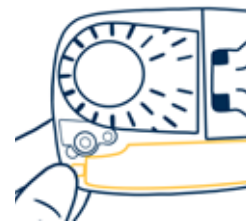
Using the screwdriver provided with the FeNObreath™, unscrew the back of the monitor.

3



Remove the back cover by sliding and lifting it off.

4



To remove the scrubber, first press down on clip at the top left-hand side of the monitor.

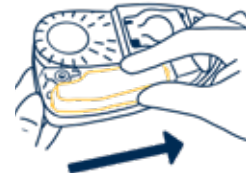
5



Slide out the scrubber then lift to remove.

(CAUTION: NO scrubber contains potassium permanganate and should not be tampered with and should not be exposed to skin.)

6



Remove all packaging from the new NO Scrubber and insert it into the FeNObreath™. Please ensure the CaliAdapter and Scrubber Adapter have been removed from the scrubber before inserting into the FeNObreath™.

7



Re-attach the back cover of the FeNObreath™ monitor.

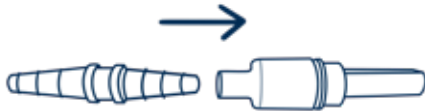
8



To secure the FeNObreath™ back cover, use the screwdriver to resecure the screw into place.

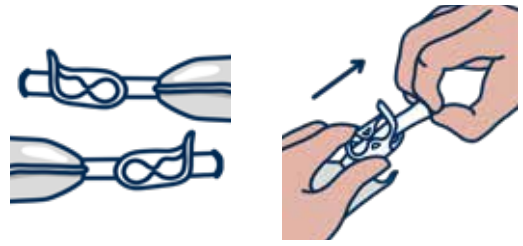
How to Quality Check the FeNObreath™ with Gas

1



Attach the Bag Adapter to the rubber end of the CaliAdapter.

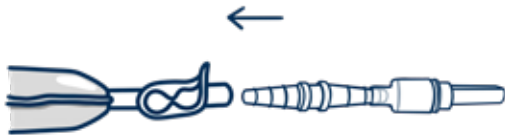
2



Ensure both Bag Clamps on the Quality Check Bag are closed and remove a Blue Plug from one end.

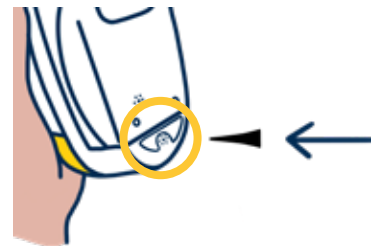
(NOTE: Make sure you are using the Quality Check Bag)

3



Insert the Bag Adapter into the Quality Check Bag.

4



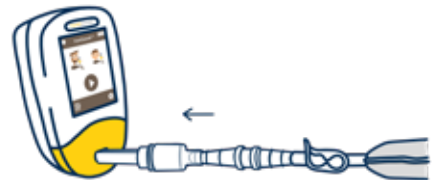
Insert the Bung into the bottom vent hole on the back of the FeNObreath™.

5



Turn on the FeNObreath™.

6



With the Quality Check Bag attached, insert the CaliAdapter into the FeNObreath™.

7



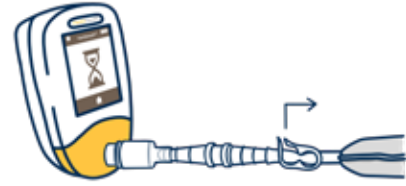
Press the Settings icon .

8



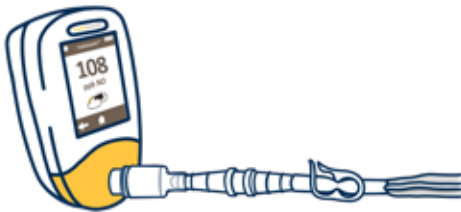
Press the Ambient Test icon .

9



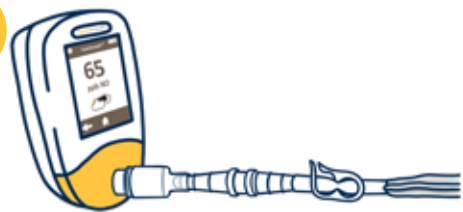
When an hourglass appears, open the clamp while the FeNObreath™ performs the Quality Check with gas. The device will automatically draw gas from the Quality Check Bag.

10



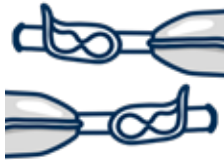
A reading will appear onscreen; a successful Quality Check will display an NO reading within $\pm 10\%$ of the gas concentration written on the Quality Check Bag label. For guidance please refer to the Quality Check conversion chart on page 9.

11



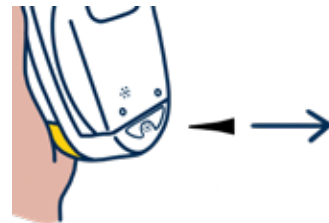
If the NO reading is not within $\pm 10\%$ of the concentration written on the Quality Check Bag label, your FeNObreath™ requires a calibration. To calibrate your device the with the CaliBag®, follow the instructions on page 10.

12



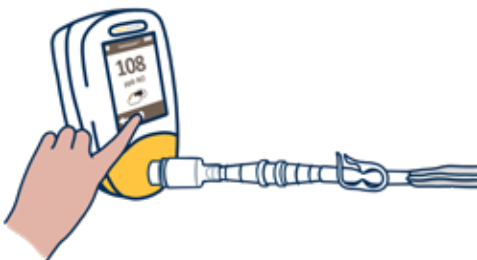
Ensure both Bag Clamps are closed before removing the Quality Check Bag and all adapters from the FeNObreath™.

13



Remove the Bung from the FeNObreath™.

14



Press the Home icon  to return to the home screen.

Quality Check Conversion Chart

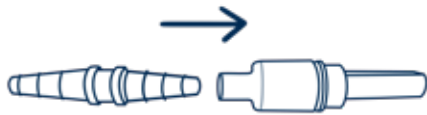
When carrying out the quality check with the Quality Check Bag, use the below conversion table to determine whether the FeNObreath™ is reading within specification. The FeNObreath™ should read between $\pm 10\%$ of the parts per billion (ppb) value written on the Quality Check Bag label.

The below chart shows the absolute minimum and maximum ppb values displayed in relation to the ppb value in a Quality Check Bag. If the values fall within $\pm 10\%$ of the ppb value noted on the Quality Check Bag, this is a **PASS** and the FeNObreath™ is reading within specification. If the value reads outside $\pm 10\%$ of the ppb value noted on the Quality Check Bag, this is a **FAIL** and the FeNObreath™ is reading outside specification. In this instance, the FeNObreath™ requires calibration.

Quality Check Bag Concentration in ppb	$\pm 10\%$ Pass Threshold
90	81-99
91	82-99
92	83-101
93	84-102
94	85-103
95	86 - 105
96	86 - 106
97	87 - 107
98	88 - 108
99	89 - 109
100	90 - 110
101	91 - 111
102	92 - 112
103	93 - 113
104	94 - 114
105	95 - 116
106	95 - 117
107	96 - 118
108	97 - 119
109	98 - 120
110	99 - 121

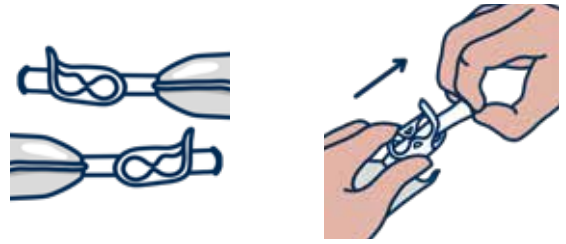
How to Calibrate the FeNObreath™ with the CaliBag®

1



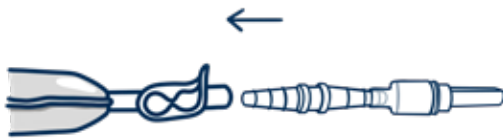
Attach the Bag Adapter to the rubber end of the CaliAdapter.

2



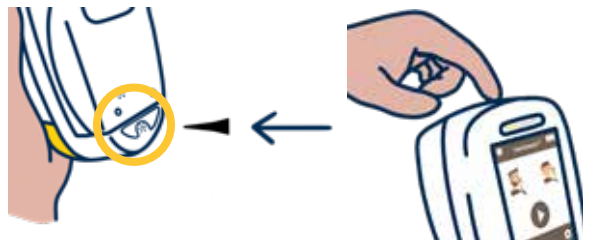
Ensure both Bag Clamps on the CaliBag® are closed and remove one Blue Plug.

3



Insert the Bag Adapter into the CaliBag®.


4



Insert the Bung into the bottom vent hole on the back of the FeNObreath™ and turn the device on.

5



Press the Settings icon  , followed by the Service Area icon .

6



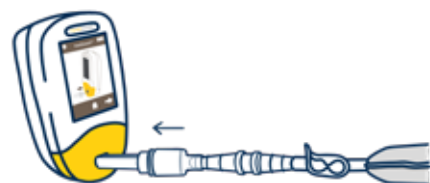
Press the Calibration icon  to begin.

7



Use the arrows to adjust the NO concentration onscreen to match the value of the NO concentration written on the CaliBag®. Press the arrow icon twice to continue.

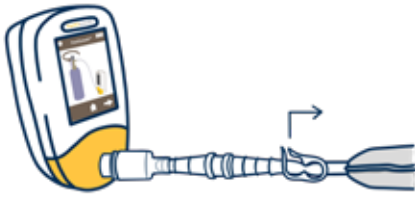
8



With the CaliBag® attached, insert the CaliAdapter into the FeNObreath™. Press the next arrow once to continue.

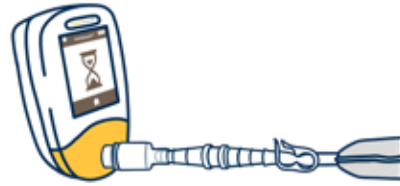
(NOTE: Make sure you are using the CaliBag®)

9



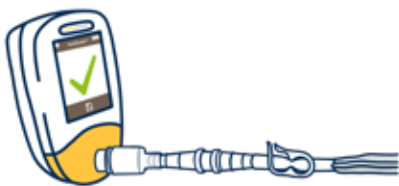
Open the Bag Clamp and press the next arrow to continue.

10



An hourglass will display onscreen as the device will automatically calibrate, drawing the gas from the CaliBag®.

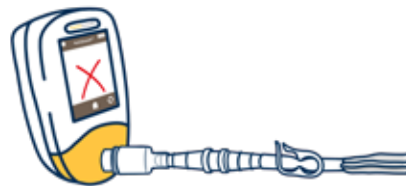
11




A successful calibration is shown by a green tick.

Press Save  to complete the calibration.

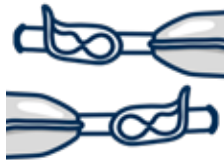
12



An unsuccessful calibration is shown by a red cross.

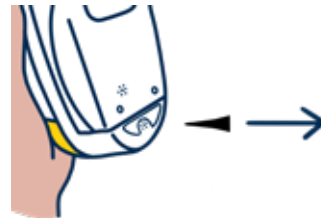
Press the Retry icon  and repeat steps 7-11 to reattempt the calibration. If the problem persists, please contact your local distributor.

13



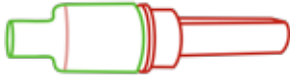
Ensure both Bag Clamps are closed before removing the CaliBag® and remove all adapters from the FeNObreath™.

14



Remove the Bung from the FeNObreath™.

Disposal Information



CaliAdapter

The CaliAdapter can be pulled apart. The part in green is made of silicone and can be recycled in some places. Please follow local waste guidelines on how to recycle or dispose of silicone.

The part in red cannot be recycled unfortunately and should be disposed of with normal waste.



Bung

The Bung is made of silicone and can be recycled in some places. Please follow local waste guidelines on how to recycle or dispose of silicone.



CaliBag®

The CaliBag® is made from a mixture of materials; aluminium, polypropylene, and polyethylene. Unfortunately, due to the way the CaliBag® is structured, the materials cannot be separated and therefore the CaliBag® cannot be recycled and should be disposed of with normal waste.



Bag Adapter

The Bag Adapter is made of polypropylene which is widely recycled. Please follow local waste guidelines on how to recycle or dispose of polypropylene.



Blue Plugs

The Blue Plugs are made of polyethylene, this is recyclable. Please follow local waste guidelines on how to recycle or dispose of polyethylene.



Bag Clamps

The Bag Clamps are made of polypropylene which is widely recycled. Please follow local waste guidelines on how to recycle or dispose of polypropylene.



NO Scrubber

CAUTION: The NO scrubber contains potassium permanganate and should be disposed of as hazardous waste in accordance with local waste disposal guidelines.



Packaging

The CaliBag® and Quality Check Kit comes in cardboard packaging, this is widely recycled. Please follow local waste guidelines on how to recycle or dispose of cardboard.

The NO Scrubber comes in a plastic bag which is made of polyethylene, this is also recyclable. Please follow local waste guidelines on how to recycle or dispose of polyethylene.

This CaliBag® Quick Start Guide is made of paper and can also be recycled once you are finished with the kit. Please follow local waste guidelines on how to recycle or dispose of paper.



Scrubber Adapter

The Scrubber Adapter is made from PVC which can be recycled in some areas. Please follow local waste guidelines on how to recycle or dispose of PVC.

Distributed by



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



MGC Diagnostics Corporation
and its subsidiary Medisoft SA
350 Oak Grove Parkway, St. Paul, MN USA, 55127
Tel: +1 800 950 5597
1 Route de la Voie Cuivrée 5503 Sorinnes, Belgium
Tel: +32(0) 82 22 30 20
Web: www.mgcdiagnostics.com



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

R_xonly

© Bedfont® Scientific Limited 2022

Issue 1- March 2022, Part No: LAB836_MGC_USA

Bedfont® Scientific Limited reserves the right to change or update his literature without prior notice.

Registered in: England and Wales. Registered No: 1289798

