

Infection control and maintenance guidelines



For Bedfont® Smokerlyzer®, Gastrolyzer® and ToxCO® monitors

Before using any of the above equipment, the operating manual should be read and fully understood.

Infection control

Washing hands before and after testing is highly recommended for both operator and user as part of a sensible infection control regime.

The Smokerlyzer®, ToxCO®, and Gastro⁺™ monitors are integrated with SteriTouch® antimicrobial technology for improved infection control.

The monitors can use either a SteriBreath™ mouthpiece that connects to the monitor via a D-piece™ or a OneBreath™ mouthpiece that connects directly to the monitor. Both the SteriBreath™ and OneBreath™ mouthpieces are single-use only as re-use can increase the risk of cross-infection.

The D-piece™ and OneBreath™ both contain a one-way valve to prevent patients drawing air back from the monitor. An integrated infection control filter removes and traps >99% of airborne bacteria and >96% of viruses¹.

Bedfont® recommends that the D-piece™ is replaced every 28 days or if visibly soiled. The D-piece™ cannot be sterilised as this process may affect the positioning of the valve. It is possible that saliva can build up inside the D-piece™ if they are not replaced regularly, which may over time affect the valve and efficacy of the filter material.

The OneBreath™ is a single-use bacterial filter mouthpiece and should be replaced after every patient. The OneBreath™ cannot be sterilised as this process may affect the positioning of the valve. Re-use of the OneBreath™ can increase the risk of cross-infection.

It is preferable that, where possible, the user attaches their own SteriBreath™ mouthpiece to the D-piece™ before the breath test, and detaches and disposes of it once the test is complete.

It is preferable that the user attaches their own OneBreath™ mouthpiece to the monitor before the breath test, and detaches and disposes of it once the test is complete.

Whilst the user is exhaling, the operator should avoid positioning themselves in front of the exhaust port of the instrument.

Routine maintenance

See the operating manual for full maintenance instructions.

The D-piece™ requires changing at least every 28 days or if visibly soiled. A reminder will appear on the Micro⁺™, piCO™, piCO^{baby}™, Gastro⁺™ and ToxCO® start-up screens.

Batteries should be replaced when indicated. They should be removed if the instrument is not likely to be used for some time.

Calibration:

- The Micro⁺™, piCO™, piCO^{baby}™ do not require calibration
- The Gastro⁺™ should be calibrated with 100ppm H₂ in air once every 3 months; an onscreen reminder will display every 90 days
- The GastroCH₄ECK® should be calibrated with 100ppm H₂ & CH₄ once a month
- The ToxCO® should be calibrated with 50ppm CO in air; an onscreen reminder will display every 6 months, however the ToxCO® should be calibrated at least once a year
- It is recommended that only Bedfont® calibration gas is used; the unit may give false readings if not calibrated.

Cleaning

Wipe the external surfaces of the instrument with a product specifically developed for this purpose. Bedfont® provides instrument cleansing wipes that contain an antimicrobial liquid. It is recommended that wipes are used once and for one surface only. The device should be cleaned for initial use and after each patient use.

NEVER use alcohol or cleaning products containing alcohol or other organic solvents as these vapours will damage the sensor within the instrument.

Under no circumstances should the instrument be immersed in or splashed with liquid.

Contact Bedfont® or your local distributor for replacements:

SteriBreath™ single-use mouthpiece for use with the D-piece™
D-piece™ bacterial filter for use with the SteriBreath™ mouthpiece
OneBreath™ single-use bacterial filtered mouthpiece
Alcohol-free instrument cleansing wipes

FRANÇAIS: Pour télécharger les principes relatifs à l'entretien et au contrôle des infections en Français, veuillez consulter www.bedfont.com

DEUTSCH: Um Richtlinien zur Infektionskontrolle und Wartung auf Deutsch herunterzuladen besuchen Sie bitte die Homepage www.bedfont.com

ESPAÑOL: Para descargar las Directrices de Control de Infecciones y Mantenimiento en español, visite www.bedfont.com

ITALIANO: Per scaricare le guida per il controllo delle infezioni e la manutenzione in italiano, visitare il sito www.bedfont.com

NEDERLANDS: Ga naar www.bedfont.com om de richtlijnen voor infectiebestrijding en onderhoud te downloaden in het Netherlands

This document is intended for guidance only.

REFERENCES

1. Public Health England. An Evaluation of Filtration Efficiencies Against Bacterial and Viral Aerosol Challenges Report No. 17/001. London: Public Health England; 2017.

Our family, innovating health, for yours.

Bedfont® Scientific Ltd.

Station Yard, Station Road, Harrietsham, Kent, ME17 1JA, England
Tel: +44(0)1622 851122 Fax: +44(0)1622 854860 Email: ask@bedfont.com

Issue 12 – February 2019. Part No: LAB286 Copyright © 2017 Bedfont® Scientific Limited.
Bedfont® reserves the right to change or update this literature without prior notice. Registered in England and Wales. Registered No: 1289798

