

Infection Control and Maintenance Guidelines



For the Bedfont® Smokerlyzer® devices

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 Micro+™ Smokerlyzer® devices are integrated with antimicrobial technology for improved infection control.

The devices use a SteriBreath™ Eco mouthpiece that connects to the device via a D-piece™ that connects directly to the device. The SteriBreath™ Eco mouthpieces are single-use only as re-use can increase the risk of cross-infection.

The D-piece™ contains a one-way valve to prevent patients drawing air back from the device. An integrated infection control filter removes and traps > 99% of airborne bacteria and > 97% of viruses¹.

Bedfont® recommends that the D-piece™ is replaced every 30 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 within 30 days, which may over time affect the valve and efficacy of the filter material.

It is preferable that, where possible, the user attaches their own SteriBreath™ Eco mouthpiece to the D-piece™ 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 30 days or if visibly soiled. A reminder will appear on the Micro+™ start-up screen.

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



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Calibration

- The Micro⁺™ should be calibrated with 20 ppm CO in air at least every 6 months. A reminder that calibration is due will be displayed on the instrument start-up screen every 24 weeks
- 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. The device should be cleaned for initial use and after each patient use. Bedfont[®] recommends wiping the instrument and D-piece[™] external surfaces between each patient with an alcohol-free wipe specifically designed for this purpose. A list of approved wipes can be found here: <https://www.bedfont.com/cleaning-bedfont-devices>

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[™] Eco single-use mouthpiece for use with the D-piece[™]
D-piece[™] bacterial filter for use with the SteriBreath[™] Eco mouthpiece
AA alkaline batteries

This document is for guidance only.

REFERENCES

1. Public Health England. An Evaluation of Filtration Efficiencies Against Bacterial and Viral Aerosol Challenges. London: Public Health England; 2017.

Visit www.bedfont.com/resources to view this document in other languages.



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