

Smokerlyzer[®]



Breath Carbon Monoxide Monitors
Helping people to stop smoking



The Smokerlyzer[®] can be used as an effective quit smoking aid. It allows the smoker to determine their level of nicotine dependence and can be successfully used as a motivational tool during the quit attempt.

scientific contributions to health
www.smokerlyzer.com



Smokerlyzer®



Helping Smokers to Quit

Clinical tests have proven that smokers are more successful at kicking the habit if a breath Carbon Monoxide monitor is used in conjunction with their quit smoking programme.¹

Bedfont have been recognised for 20 years as world leaders in the support of smoking cessation programmes using breath CO monitors.

The Smokerlyzer® range is clinically proven and has become the benchmark used throughout the world by health professionals working in smoking cessation programmes and research.

Personal Choice

The Smokerlyzer® is used during smoking cessation programmes to give the smoker visible proof of the damaging CO levels and to help motivate by charting the progress during the programme. All the monitors are surgically non-invasive, lightweight, battery powered, simple to operate and use hygienic inexpensive disposable mouthpieces.

The Smokerlyzer® family is the most comprehensive range of monitors currently available. Different models provide support for a wide range of stop smoking applications, from brief intervention through to dedicated clinics, adults through to pregnant women and adolescents, and even people in their own home.

Carbon Monoxide

Carbon Monoxide or CO is a poisonous gas that has no colour and no smell. It is one of the products of combustion and is found in car exhaust fumes and in tobacco smoke.

Carbon Monoxide harms the body

CO is inhaled into the lungs from polluted or smoky air or from inhaling tobacco smoke. CO is absorbed into the blood from the lungs. It binds to haemoglobin in red blood cells about 200 times as readily as oxygen. CO deprives the body of oxygen and the body needs oxygen to live.

Smokers can have between 2% - 20% of their normal blood oxygen taken up by CO. To compensate for the shortage of oxygen the body has to work harder with less fuel.



A simple test with a Smokerlyzer® CO breath monitor gives a measure of the amount of CO in the blood.² When you stop smoking the level of Carbon Monoxide in the blood falls almost immediately.

1. Jamrozik, Vessey, Fowler, Wald, Parker, Vunakis. (1984): Controlled trial of three different antismoking interventions in General Practice. British Medical Journal, 1984; 288: 1499-1503

2. Jarvis, Belcher, Vesey, Hutchinson. (1986): Low Cost Carbon Monoxide Monitors in Smoking Assessment. Thorax, 1986; 41: 886-88

Benefits

- Shows the dangers of smoking
- Motivates smokers to quit
- Exact smoking status can be established
- Essential tool for any stop smoking intervention

Features

- Easy to read displays with instant results
- Auto-Zero & Breath-hold countdown timer
- Easy to use by non-technical personnel
- Low maintenance cost
- Uses inexpensive disposable mouthpieces
- Supported by a wide range of quit smoking resources
- Clinically proven



Micro+ Smokerlyzer®

Clinically Proven with Digital Readout

The Micro+ has become the clinically proven world-wide benchmark for breath CO monitors. It provides a digital read-out of CO ppm on an easy to read LCD display together with simple traffic light LEDs and an audible tone. The unit has auto-conversion from COppm to %COHb.



Smokerlyzer® System

Personal Breath Tester & Quitting Plan

A personal breath CO tester and a quitting plan designed to be used at home and to work alongside any Stop Smoking clinic the smoker may be attending. It recommends the use of pharmacotherapy (such as NRT) and contact with a health professional.

COmpact™ Smokerlyzer®

Breath CO Tester - Bridging the Gap

The COmpact™ breath CO tester offers the opportunity for health professionals with limited budgets to offer breath testing as part of their smoking intervention. The tester uses one-way valve single-use mouthpieces.



piCO+ Smokerlyzer®

The new innovation in smoking cessation

The piCO+ is the new innovation in smoking cessation. Motivational traffic light LEDs display smoking status while the large liquid crystal display gives readings in ppm and %COHb. The monitor combines the features of the original piCO and piCO-lo Smokerlyzers®, for the first time ever allowing users to switch between settings for adults, adolescents and pregnant women. New COdata+ software also enables the user to create custom settings – amplifying smoking status when treating particularly addicted smokers.



Mouthpieces and Infection Control

The Micro+ Smokerlyzer® uses disposable cardboard mouthpieces that connect to the monitor via a T-piece. The T-piece contains two one-way valves in opposition, preventing patients from drawing air back from the monitor and reducing potential risks of cross infection. Bedfont recommend that T-pieces are changed once every month or if visibly soiled. Cardboard mouthpieces are connected to the piCO+ via a unique breath sampling D-piece, which should be changed once

a month. A one-way valve prevents air being drawn back from the monitor. The breath then passes through an innovative new infection control filter. This system further reduces the risks of cross infection and protects the instrument from contamination – a unique feature. Bedfont supply an instrument cleansing wipe specifically developed for cleaning the surface of the monitors. Each wipe contains 1% Cetrimide, a powerful antimicrobial detergent. The wipes can

also be used by patients to clean their hands before handling the instruments in areas without hand washing facilities, or where infection control may be a particular concern. Alcohol, or cleaning agents containing alcohol, should never be used as they may adversely affect the sensor within the instrument.



COdata+

COdata+ is a PC software programme for Microsoft® Windows® XP and 2000, for use with the piCO+ and Micro+ Smokerlyzers®. It is also compatible with the piCO, piCO-lo and Micro III and IV monitors. The readings are downloaded into COdata+, which provides a virtual display of the instrument and an instant diagnosis of the user's results. The report includes a specific interpretation of the patient's smoking habit and personal dependence on nicotine, which can be printed out for them to take away. The integrated database records patients' details and results for follow-up sessions.



Calibration and Servicing

The professional Smokerlyzer® monitors only require a calibration check once every six months, which is easy to achieve by non-technical staff with the Bedfont calibration kit.

A newly available range of annual service packages are also available.



Quit Smoking Resources

Bedfont can supply a wide range of resources to support Smokerlyzers® within smoking cessation clinics. These include a range of posters and leaflets that highlight the dangers of Carbon Monoxide and smoking.



BS ISO 9001:2000
Cert No. FM 31664

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