

A hygienic perspective: Dräger Alcotest Handheld

Dräger Alcotest products support users worldwide. They are easy to use and allow the user to collect a breath sample and quickly analyze it. The sample is collected non-invasively and the process is designed to mitigate most hygiene and safety concerns.



Alcotest Handheld

Our single-use mouthpieces and our devices are designed to avoid hygienic concerns for the donor and user. Safe and hygienic testing for both operator and donor is important to Dräger. Safety starts with the design of the Alcotest devices. The exhaled breath flows over the top of the device and only a small sample is collected from this flow to be analyzed by the Alcotest device. The Alcotest 7510 also has a special mouthpiece ejection system which allows for quick mouthpiece ejection without having to touch the mouthpiece.

Mouthpieces

Dräger Alcotest devices operate with single-use mouthpieces*. The position of the disposable mouthpiece and the molded hand grip provide a safe, hygienic distance between the operator's hand and the donor. The mouthpieces have a special spacer to prevent the donor's lips from making contact with the instrument. All mouthpieces are available with a non-return valve which prevents the exhaled breath from being inhaled back in by the donor. Dräger recommends the use of these mouthpieces for the protection of the operator and donor.

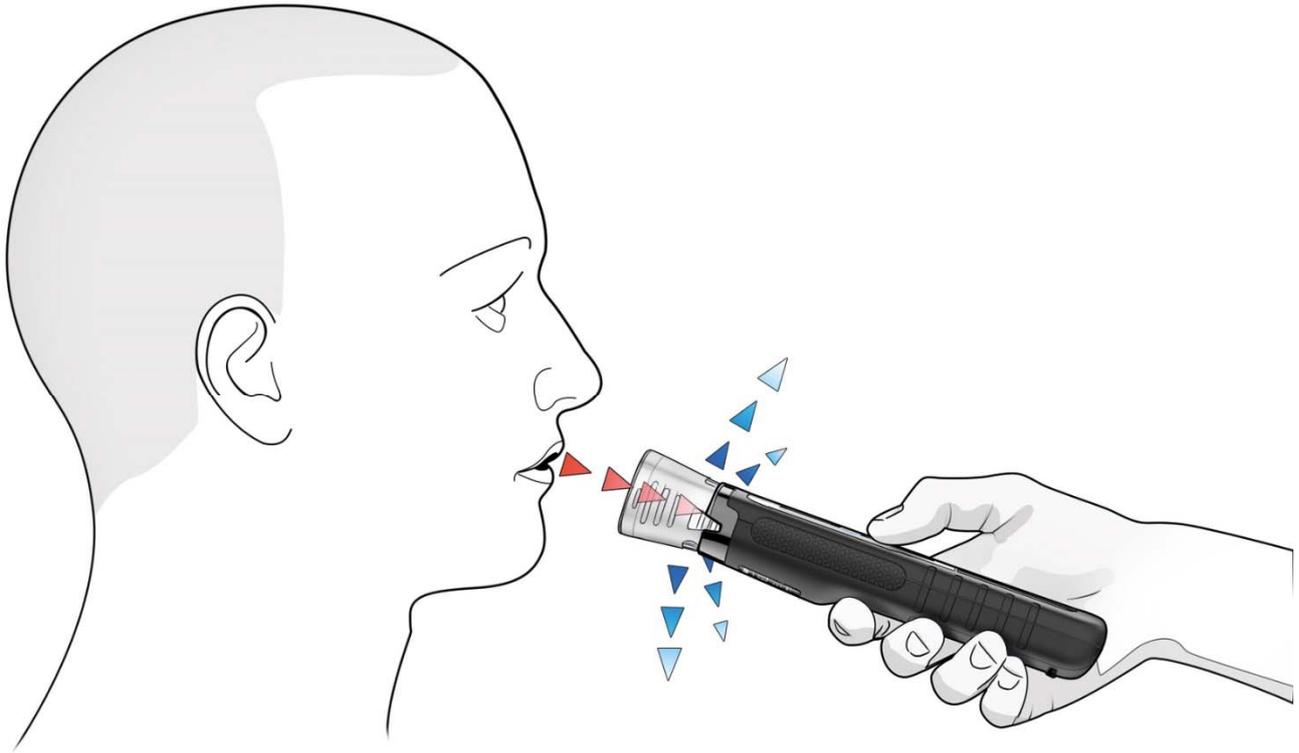
* The Alcotest 3820 and Alcotest 5000 are exceptions. Their mouthpieces do not have to be switched out between each test. The Alcotest 3820 is for private use and generally the owner tests him or herself. The mouthpiece can be switched out when multiple donors need to use the device. Please refer to the special funnel for Alcotest 5000 below.

Test procedure

The design of the Alcotest devices makes sure that the donor is positioned in a 90° angle from the operator. The breath flow is not directed at the operator.



Alcotest 5000



The Dräger Alcotest® 5000 is a highly reliable high-speed breathalyzer with a special non-contact funnel. This special funnel reduces the back-flow of expired air to a minimum, reducing the risk of infection to subsequent test subjects.

The Alcotest 5000 performs tests without the need for physical contact between the device and the test subject. There is no need to switch mouthpieces between tests as subjects simply blow into a funnel. The unique funnel design prevents backflow of the subject's exhaled breath and mitigates against the transmission of any pathogens from previous test subjects to a later subject.

After use, the funnel attachment can be easily exchanged, providing assurance of a hygienic solution.

The Alcotest 5000 can be attached to any standard selfie stick with a 1/4" screw. The increased distance allows the device to be used safely with a low risk of contamination passing from the subject to the operator.



Following general safety standards remains the best safeguard. Please refer to your health organization guidelines and follow them.

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