Mission® Breath Alcohol Detector
On-site screening device
The information in this presentation is a general overview on using the Mission® Breath Alcohol Detector test device.

**Product Training Contents:**

- Mission® Breath Alcohol Detector test device overview
- Testing procedure
- Reading results
- Contact information
It is important to read the package insert before using the Mission® Breath Alcohol Detector test device.

**Screening Results:** The Mission® Breath Alcohol Detector is for in-vitro diagnostic use. The Mission® Breath Alcohol Detector is a test for alcohol in human breath. It is a disposable screening device for one-time use. The Tester is based on indicator chemistry that changes color in the presence of breath that contains alcohol.

A more specific alternate chemical method must be used in order to obtain a confirmed analytical result. Please contact a Redwood Toxicology Laboratory sales representative to review confirmation test options.

Additional testing is necessary to confirm the presumptive positive results. Positive results should be “confirmed” by an alternate method such as GC/MS (Gas Chromatography/Mass Spectrometry) or LC/MS/MS (Liquid Chromatography/Tandem Mass Spectrometry).
Product overview
Mission® Breath Alcohol Detector product overview

The Mission® Breath Alcohol Detector Test is self-contained, unobtrusive and easy to administer. Tests are portable, and can be administered quickly anywhere. In a few simple steps, you can perform an initial screening for alcohol.

FEATURES & BENEFITS

• Available in .02 gm/dL cut-off level
• Non-intrusive method for alcohol screening
• Ideal solution for on-site testing
• Fast results in 2 minutes
Lot number and expiration date are located on the device label of the Mission® Breath Alcohol Detector test.

**Preparation and Storage**
The Tester is ready to use. Use the Tester immediately after breaking glass tube. Store at room temperature (35 to 86°F or 2 to 30°C).
Testing procedure
This is not a self test. You should never test yourself. Alcohol impairs judgment. Wait 15 minutes after last alcoholic drink, if you cannot wait, rinse your mouth with water before taking the test.

Open the clear plastic pouch and remove the Mission® Breath Alcohol Detector Test. Squeeze the middle of the tester between thumb and forefinger to break inner glass tube. **Squeeze only once, do not crush or bend tube.** Use tester immediately.
Testing procedure

Subject should hold tester horizontally so arrows on “BLOW” end are pointing horizontally. Subject should then BLOW/EXHALE very hard into tube, in one continuous breath, for 12 seconds.

Shake the tester side-to-side to distribute the crystals evenly in tester window. Lay tester on flat surface and wait 2 minutes.
Reading results
Reading results

After **2 minutes** compare results to an unused tester or to the yellow box on the device label. If most of the crystals are NOT green or blue (under the suggested lighting), then the result is negative.

The color change may be difficult to see under certain lighting. For best results, read under lighting such as incandescent, fluorescent or indirect sunlight. A flashlight with an incandescent bulb can be used to help read the result. Hold the flash light to the side so the light does not fall directly on the tester.

Tester results may not be reliable if testing is not conducted according to these instructions.

Example above shows a presumptive positive device that has already been used.
Result interpretation

PRESUMPTIVE POSITIVE*
Most of the crystals are a light AQUA (GREEN/BLUE, BLUE/GREEN) cast. This shows the breath alcohol is at or above the level printed on the tester.

*A more specific alternate chemical method must be used in order to obtain a confirmed analytical result. Please contact a Redwood Toxicology Laboratory sales representative to review confirmation test options.

NEGATIVE
Most of the crystals are light YELLOW. This shows that the breath alcohol is below the level printed on the Tester.

The YELLOW does not have to match the unused tester. It may be much lighter or paler YELLOW than an unused tester.
Additional support services
Additional support services

SENDING SPECIMENS TO THE LABORATORY  » Download PDF
For instruction on how to send presumptive positive specimens to the lab, please review the next document in the training services: “Shipping & Labeling Protocol”.

COLLECTION AND REPORTING MANAGEMENT  » Learn more
Take advantage of RTL’s powerful collection and reporting system. Schedule donors, manage on-site tests, view reports and route presumptive positive specimens to the lab.

PRELIMINARY RESULT FORMS  » Download PDF
Log on-site results by downloading a Preliminary Result Form PDF. Printed form pads are available by request. These forms are not lab test request forms (for further confirmation testing).