



# AlcoScreen 02® Saliva Alcohol Test Instructions for Use

# Intended Use

A rapid method to positively identify the presence of alcohol in saliva for blood alcohol concentrations (BAC) greater than 0.02%.

No special training is required for non-DOT regulated testing programs provided that the instructions are followed carefully.

# Background / History

Excessive consumption of alcohol is one of the most common and pervasive social problems in our society, as a contributing factor in many accidents, injuries, and medical conditions.

Screening for the identification of those who may be at risk due to alcohol use may serve as an important deterrent against inappropriate alcohol consumption.

# DOT Approved

The US Dept. of Transportation (DOT) has established a BAC of 0.02% as the level at which an individual is considered positive for the presence of alcohol.

The DOT provides for the use of approved screening devices for bodily fluids, including saliva, to detect the presence of 0.02% BAC or greater.

ALCO-SCREEN 02® is a DOT approved device designed to determine the presence 0.02% BAC or more in accordance with the DOT regulations

Specimen collectors for DOT regulated programs must complete DOT compliant Screening Test Technician (SST) training prior to administering alcohol screening test with the ALCO-SCREEN 02®

# Technical Specifications

It is well established that the concentration of alcohol in saliva is comparable to that of blood ( $r=0.962$ .  $p<0.001$ )

Reactive pad employs a solid phase chemistry which uses a highly specific enzyme reaction.

The ALCO-SCREEN™ will react with methyl, ethyl, and allyl alcohols.

# Storage and Stability

Store at room temperature, not to exceed 80°F (27°C). The test can be used in temperatures above 80°F (27°C) if performed within 10 minutes.

If refrigerated, bring test to room temperature prior to opening the package.

Never use after the expiration date marked on the outside of each test package.

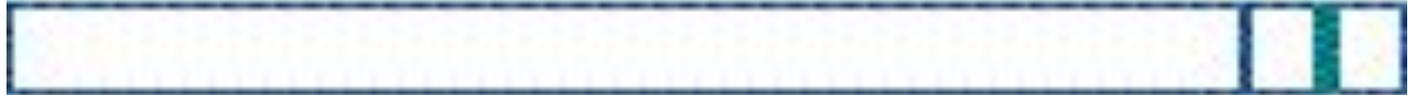
# Procedure

1. Abstain from placing **anything** in the subjects mouth for 15 minutes prior to beginning the test. This includes non-alcoholic drinks, tobacco products, coffee, breath mints, food, etc.
2. Open the foil package and remove the test. Observe the reactive pad on the end of the test strip. The pad should be a white or cream color. A faint shadow may be seen across the test pad where it has been treated to detect alcohol. If the pad has a colored line or is otherwise discolored it should be discarded.

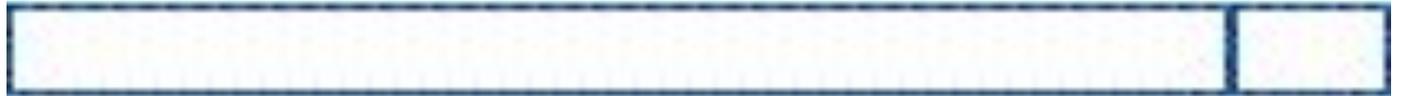
# Procedure (cont.)

3. Saturate the reactive pad with saliva from a sputum cup or by applying saliva directly to the pad. Immediately start timer. After 10 seconds shake off excess saliva.
4. At 4 minutes observe the results on the reactive pad. The development of a distinct colored line across the reactive pad indicates the presence of a alcohol greater than 0.02% BAC. ***Results obtained after 5 minutes may be erroneous.***

# Interpreting Results



**Positive Result:** Blood alcohol above 0.02%



**Negative Result:** Blood alcohol less than 0.02%.

# Test Interference

The following substances may interfere with the ALCO-SCREEN 02™ but do not normally appear in sufficient quantity in saliva to interfere with the test: peroxides, strong oxidizers, ascorbic acid, tannic acid, pyrogallol, mercaptans, tosylates, oxalic acid, uric acid, bilirubin, L-dopa, L-methyldopa, methamphetamine.

The ALCO-SCREEN 02™ is sensitive to the presence of alcohol vapors in the air. Alcohol vapors are often present in many institutions and homes as it is a component in many cleaning products.

To test for the presence of alcohol vapors in the air use tap water as a sample performing the test procedure as specified. The development of a distinct colored line indicates that alcohol vapors are present. Therefore use the ALTERNATE PROCEDURE to test the subject. (see next slide)

# Alternate Procedure

If alcohol vapors are determined to be present, or suspected of interfering with the validity of the test perform the test the same as previously specified except:

1. When removing the test from the foil package pay special attention to the reactive pad (it should remain a white or cream color).
2. After the pad is saturated for 10 seconds **IMMEDIATELY** replace the test stick back into the foil package and fold the package closed. Be sure the small preservative packet is removed. Start timer and read results at 4 minutes.

# Technical Support

For assistance or further information,  
contact Micro Distributing Technical  
Support at:

Toll Free: 1-866-933-0964

Email: [info@micro-distributing.com](mailto:info@micro-distributing.com)