

CORTEZ DIAGNOSTICS, INC.

23961 Craftsman Road, Suite E/F,
Calabasas, CA 91302 USA

Tel: (818) 591-3030 Fax: (818) 591-8383

E-mail: onestep@rapidtest.com

Web site: www.rapidtest.com

**Alcohol Saliva**

Catalog #: 121000

Tests for alcohol presence and estimates blood alcohol level from saliva analysis.

INSTRUCTIONS FOR ALCOHOL DETERMINATION

Alcohol Saliva Reagent Test Strips provide a fast and convenient method for testing saliva for alcohol. This method while testing salivary alcohol will estimate the level of alcohol in the blood. *Alcohol INSTA-STRIP* contains a sponge while the other end contains a special chemically treated area surrounded by color blocks on a flexible strip. The sponge is used to collect the saliva from the mouth and transfer it to the yellow treated area. When the treated area, receives the saliva it changes color relative to the amount of alcohol in the saliva. The use of *Alcohol INSTA-STRIP* can alert you to the use of alcohol and to the amount of alcohol in the blood.

DIRECTIONS FOR USE

Before testing do not take food, drink or tobacco for at least 15 minutes.

1. Place sponge in mouth so that it becomes wet with saliva.
2. Press sponge on yellow paper until moist then remove sponge and start timing.
3. Bend strip along line. After exactly 30 seconds match test strip paper to color block on the plastic strip to find blood alcohol. Disregard color change after 30 seconds.

INTERPRETATION OF TEST RESULTS

The color of the test areas is compared to the color blocks on the strip 30 seconds after applying the saliva. Each color block has a number that represents an estimate of blood alcohol. These amounts are expressed in % alcohol (w/v). An estimate of blood alcohol level can be found when the color of the test area matches the color of a color block. The number below the matched color blocks is the estimate of the blood alcohol level. However, if the test area color a shade of color between two color blocks, then the blood alcohol level estimate is between the % blood alcohol expressed in these two color blocks. When the test area turns a very slight shade of green then trace amounts of alcohol are present in the blood. When the test area does not change color, but remains yellow then alcohol is not present in the saliva or blood.

The color of the test area will not turn a much darker shade than the .1% color block with extremely high blood alcohol levels.

If the yellow test area becomes discolored or darkened or if the test seems questionable, then check to see that the expiration date marked

on the package has not been passed or check to see if any Improper storage has occurred.

You can check the performance of *Alcohol INSTA-STRIP* by mixing 5 drops of a distilled spirit or ¼ teaspoonful beer to a glass, (8 oz.) of water. Test either of these solutions as if it was saliva. The result should be comparable to the color of the .1% color block. Much lower results or colors unlike those on the color block indicate that the strips should be replaced.

PROTECT Alcohol INSTA-STRIP FROM LIGHT, HEAT AND MOISTURE.

Store in a cool, dry place at temperatures under 86° (30°C). The product has an expiration date. Open the *Alcohol INSTA-STRIP* package only when the reagent test strip is to be used. Perform the test by following directions exactly. Do not touch test area of strip and avoid contacting them with unclean objects.

BLOOD ALCOHOL ESTIMATE

Alcohol INSTA-STRIP can estimate blood alcohol levels after the alcohol from the beverage has disappeared from the mouth. This takes approximately 15 minutes. If this residual alcohol is present in the mouth, then the estimate of the blood alcohol level will be artificially high. Therefore it is important to avoid taking anything that contains alcohol including mouth wash, mouth sprays or many liquid cough syrups for this period of time. The highest blood alcohol level from alcohol consumption will occur 1/2 to 1 hour after the last drink. This 1/2 to 1 hour delay to the period of time it takes most of the consumed alcohol to enter the blood. Therefore to estimate this peak level, sample the saliva in this time period after the last drink.

CHEMICAL PRINCIPLES OF PROCEDURE

Estimates of blood alcohol levels are based on the amount of alcohol found in the saliva. This correlation is predictable. The *Alcohol INSTA-STRIP* test is based on two sequential enzyme reactions. One enzyme reacts with the alcohol present in the saliva and breaks alcohol into a peroxide and acetaldehyde. A second enzyme causes the reaction between the peroxide and a dye to produce colors ranging in various shades of green. The more alcohol present in the blood, the darker the green color.

ALCOHOL INSTA-STRIP PERFORMANCE

The test is specific for testing alcohol in the saliva. No substance normally present in the saliva other than alcohol is known to give a positive result. If alcohol is present even in trace amounts, *Alcohol INSTA-STRIP* is 99.3% correct for determining whether a person had consumed alcohol. The test when done properly is 91% correct in selecting whether a person is not intoxicated according to the legal definition.

WARNING AND PRECAUTIONS

Alcohol INSTA-STRIP is an in vitro diagnostic test. Although the Chemicals is not toxic in the amount present in the yellow treated area, it should not be placed in the mouth. Some persons may be allergic to the yellow dye that is present in the treated area. An allergic reaction will not happen if this test is properly used and the paper to not touched.

The manufacturer or its agents, distributors, or retailers make no warranties of any kind with respect to this product. Results from use of this product provide only estimations of blood alcohol levels, and

decisions based on test results from use of this device by any person shall be at user's own risk.