

ESTABLISHED IN 1970

NARTEC, Inc.



MARQUIS REAGENT
AMPHETAMINE/OPIATES
DETECTION KIT

INFORMATION
AND
OPERATING
INSTRUCTIONS

TRAINING MANUAL



www.nartec.com

Welcome!

Welcome to our instructional manual for the use of NARTEC's Amphetamine/Opiates Detection Kit. We believe the use of our quick and easy-to-use products will become a valuable addition to the officer's arsenal of detective materials when used as directed.

Your ability to use the NARTEC products is of utmost importance to us and we welcome your input to improve the manual to make it more officer-friendly.

If you have any questions in the future, we have over 40 years of experience in drug identification and will assist you wherever we can.

*Sincerely,
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General Information

THE NARTEC A/O-1 AMPHETAMINE/OPIATE TEST IS BASED ON THE CLASSIC MARQUIS REAGENT



The NARTEC Amphetamine/Opiate (Marquis) test is a general screening test for indicating the presence of an amphetamine type substance including methamphetamine and methylenedioxymethylamphetamine (MDMA or Ecstasy), the opiates (heroin, morphine, codeine, and opium), fentanyl, etc. and many other controlled substances. Different colorations can be obtained depending upon the

substance being tested. It is a helpful investigative tool, especially when the tested substance is unknown. The test is based on a color reaction that occurs when the liquid Marquis reagent, contained in a hermetically sealed glass ampule, comes into contact with one of the listed drugs. Other drugs and substances may produce a coloration.

Final confirming analysis must be conducted in a laboratory by a qualified person if used as evidence in court.

A color scale, shown on page 3, represents some of the colors that can develop from the reaction of the A/O-1 “Marquis” reagent with the listed drugs. The printed colors are intended only as an aid for you in interpreting the colors from substances being tested. The color scale does not list many of the substances that can react with the “Marquis” test reagent, but it may help narrow the possibility of or exclude many drugs.

Bath Salt Testing:

- 1) Use 1 ampule each of the NARTEC Meth-1, CO-2, and A/O-1 “Marquis” tests.
- 2) A positive result for all 3 tests is a strong indication of bath salts.
- 3) Have a lab confirm your results.

METH 

COCAINE 

MARQUIS 

Conducting the Tests

1 STEP 1: REMOVE THE TEST AMPULE FROM THE PLASTIC TUBE and TOUCH SUSPECT MATERIAL

Remove the testing ampule from the clear plastic vial. Do not remove or change the cardboard cap on the testing ampule. Press or rub the ampule fiber tip onto the suspect powder or residue. Powder should adhere to the fiber tip. For residue in “cooking” spoons or similar items, rub the residue to be sure that the residue is on the tip. In most cases, it is not necessary that the fiber tip be heavily coated with powder. When the powder has been “cut” to a small amount of the drug, additional powder may be needed on the tip.



2 STEP 2: INSERT THE FIBER TIP INTO THE CLEAR VIAL

While holding the clear plastic tube upward, insert the test ampule downward partially into the tube, leaving the cardboard cap portion outside the vial. Squeeze the paper cap between the thumb and forefinger, to break the glass ampule inside the test vial. Slowly squeeze the cardboard cap (three or four times) to force the liquid into the fiber tip and to completely moisten the flat end of the tip where the suspect powder is located.



NOTE: The label on the clear vial was designed to allow a “window” for viewing the fiber tip while the ampule is slowly being squeezed.

Caution: After breaking and squeezing the ampule, do not attempt to crush the glass particles.

Conducting the Tests

3 STEP 3: LOOK FOR A COLOR REACTION

When the liquid reaches the powder, the powder will turn a color if amphetamine is present. Now drop the test ampule completely into the clear vial. Replace the orange stopper by pushing it into the tube as far as it will go. The vial is now enclosed in the tube and can be safely viewed and examined for a color change. The color should develop within one minute. **Disregard any color that develops after a minute.** It is suggested that the entire vial and contents be discarded in a tamper-free disposal unit.

Although the test is designed for the detection of amphetamine, other types of opiates also give different colors. These colors may indicate the type of opiate present, but without a known drug available for comparison, the preliminary identification can be more difficult.



NARTEC, Inc.		<u>Marquis Testing Color Chart</u>		www.nartec.com
SUBSTANCE:	Color Reaction:	SUBSTANCE:	Color Reaction:	
MDMA/MDA/MDE		OXYCODONE		
AMPHETAMINE		FENTANYL		
METHAMPHETAMINE		LSD		
HEROIN		2C-I		
MORPHINE		RITALIN		
CODEINE		ASPIRIN		
METHYLONE		SUGAR		
MESCALINE		NO REACTION TO COCAINE, KETAMINE, PMA, PMM, & OTHERS. (NOT A COMPLETE LIST.)		

*The A/O “Marquis” test is a good presumptive test on a substance suspected to contain Ecstasy (MDMA). An inky black color develops when the reagent contacts Ecstasy.

Precautions

The Amphetamine/Opiates test is labeled “WARNING: CONTAINS ACIDS”. The crushable glass ampule, which is enclosed in a butyrate plastic sleeve contains sulfuric acid and must be handled carefully. If you should accidentally get the acid on you, while conducting the test, immediately use the acid neutralizer (sodium bicarbonate solution) on the affected area and as soon as possible wash with soap and water. If the acid should somehow get in the eye, flush the eye with copious amounts of water and quickly contact a physician. If the acid is ingested do not induce vomiting. Administer milk, egg white, or one heaping teaspoon of egg albumin in cold water and immediately call for medical assistance (poison control, physician, etc.)

The bottle of acid neutralizer is intended for use if the moistened fiber tip is accidentally touched by the skin or by other objects such as clothing.

Keep out of reach of children. Do not taste drugs. Wash hands thoroughly after handling ampules and samples. Do not store tubes after breaking ampules. Dispose of promptly.

***STORE THE TEST KITS UNDER SECURE
CONDITIONS!***

***Final confirming analysis must be
conducted in a laboratory by a qualified
person if used as evidence in court.***

After the Test

After the Amphetamine test has been completed and the clear plastic vial has been closed with the orange stopper, the vial should not be reopened. The tube contents will slowly begin to turn dark. This is a normal reaction of the acidic reagent as it reacts with the organic substances in the testing ampule (the fiber tip, protective butyrate sleeve and the white cardboard cap.) The cardboard cap will also act as a blotter and will absorb much of the liquid reagent. During the reaction process, the acid is being converted to a less acidic residue.



The acid neutralizer should not be added to the test vial after the completion of the test because the cardboard cap blocks the tube and prevents the neutralizer from reaching the liquid. If it should flow to the liquid, the resulting effervescence could cause an overflow of the liquid from the vial or cause the cardboard cap to be ejected.

When the test has been completed and the vial has been stoppered, the tube becomes a sealed container. If the tube is stored in a very warm location such as a car trunk or glove box in the summer, the air in the vial may expand enough to cause the stopper to blow out. NARTEC suggests that used testing vial be discarded in a tamper-free disposal unit if one is available.



Limited Warranty

NARTEC'S drug testing products (the "PRODUCTS") are prepared under controlled conditions and are warranted to be free of defects and contamination at the time they are prepared and packaged for delivery and thus merchantable and fit for the specific purpose of testing compounds for the presence of narcotics.

NARTEC's sole obligation and your sole remedy, under this warranty is limited to, at NARTEC's sole discretion, replacement or refund of the defective Product provided NARTEC is notified of such defect within 30 days of invoice date.

Except for the warranty expressed herein, it is agreed and understood that (i) there are no express or implied warranties that extend beyond the face hereof and, without limitation of the foregoing, no guarantee or warranty of test results can be expressed or implied, and (ii) IN NO EVENT SHALL NARTEC OR ITS OFFICERS, DIRECTORS, EMPLOYEES, AND/OR OTHER REPRESENTATIVES BE LIABLE TO YOU, ANY SUBSEQUENT PURCHASER OR ANY OTHER THIRD PARTY FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, WHETHER OR NOT FORESEEABLE, EVEN IF NARTEC HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, INCLUDING BUT NOT LIMITED TO PERSONAL INJURY, PROPERTY DAMAGE, ANY LOSS OF REVENUE, LOSS OF CUSTOMERS, LOSS OF GOODWILL, OR LOSS OF PROFITS, ARISING OUT OF OR IN RELATION TO THE SALE OF THESE PRODUCTS OR THESE TERMS, WHETHER ARISING UNDER CONTRACT, TORT OR ANY OTHER LEGAL OR EQUITABLE THEORY. IN NO EVENT SHALL NARTEC'S TOTAL, CUMULATIVE LIABILITY HEREUNDER EXCEED THE PURCHASE PRICE (EXCLUDING SHIPPING, TAXES, AND DUTIES) FOR THE SPECIFIC PRODUCTS GIVING RISE TO THE CLAIM. MULTIPLE CLAIMS WILL NOT ENLARGE THIS LIMIT. THIS LIMITATION OF LIABILITY SHALL APPLY NOTWITHSTANDING ANY FAILURE OF ESSENTIAL PURPOSE OF ANY EXCLUSIVE REMEDY HEREIN.

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