

Product Instruction

Medetomidine Test Strip (liquid/powder)

Ref. No: MED25

For Forensic Use Only. Not for IVD

WARNING: THIS TEST DOES NOT EVALUATE DRUG SAFETY OR PURITY

[INTENDED USE]

Instanosis medetomidine Test Strip (liquid/powder) is a rapid immunoassay visual test for the qualitative detection of medetomidine in suspicious substances at the cut-off concentration of 50 ng/ml.

[COMPONENTS]

- Individually packed test strips
- Product Instruction

[PROCEDURE AND RESULT INTERPRETATION]

- For powders, it is recommended to completely dissolve about 0.5 mg of sample in about 5 ml (1/5 oz) of water.
- For liquid samples, use directly.
- Follow the instructions on the back.



[LIMITATIONS]

- The product is for forensic use and should only be used for the qualitative detection of medetomidine.
- A contaminated or tainted sample may give false results.
- Technical or procedural errors may cause false results.
- Other chemicals may interfere with the test and cause false results.

- This test provides only a preliminary result. A more specific alternative method must be used to obtain a confirmed analytical result. Clinical consideration and professional judgment should be exercised with any drug of abuse test result, particularly when the preliminary test result is positive. Gas or liquid chromatography/mass spectrometry is the preferred confirmatory method.

[PRECISION]

Test precision was determined by blind tests with control spiked solutions. Solutions with medetomidine concentration at 50% of the cut-off (25 ng/ml) yielded negative results. Solutions with medetomidine concentration at 150% of the cut-off (75 ng/ml) yielded positive results.

[SPECIFICITY]

The following compounds were found not to cause false positive when tested at concentrations of 100 µg/ml or higher.

| | | | | | |
|-------------------------------|---------------------|---------------------|--------------------------|------------------------|-------------------------------|
| 1-(3-chlorophenyl) Piperazine | Chloral hydrate | Ethanol | Maprotiline | Noroxycodone | Risperidone |
| 2-methoxymethcathinone | Chloramphenicol | Etomidate | M-Chlorophenylpiperazine | Nortriptyline | Salicylic acid |
| 6-Acetyl morphine | Chlorothiazide | Fenoprofen | MDMA | Noscapine | Secobarbital |
| Acetaminophen | Chlorpromazine | fentanyl | | Octopamine | Serotonin |
| Acetone | Cholesterol | Fluoxetine | Meperidine | Ofloxacin | Sulfamethazine |
| Acetophenetidin | Ciprofloxacin | Fluphenazine | Meprobamate | O-Hydroxyhippuric acid | Sulindac |
| Acetylsalicylic acid | Ciomipramine | Furosemide | Metamizole | Oxalic acid | Tapentadol |
| Albumin | Clonidin | Galactose | Methadone | Oxazepam | Tetrahydrocortisone |
| Albuterol | Cocaine | Gamma globulin | Methamphetamine | Oxolinic acid | Tetrahydrocortisone 3-acetate |
| Aminopyrine | Codeine | Gentisic acid | Methapyrilene | Oxycodone | Tetrahydrozoline |
| Amitriptyline | Cortisone | Glucose | Methaqualone | Oxymetazoline | Theophylline |
| Amobarbital | Cotinine | Haloperidol | Methoxyphenamine | Oxymorphone | Thiamine |
| Amoxicillin | Creatinine | Hemoglobin | | Papaverine | Thioridazine |
| Amphetamine | Cyclobenzaprine | Heroin | Metronidazole | Penicillin G | Ticlidine |
| | Deoxycorticosterone | | | | |
| Ampicillin | | Hydralazine | Morphine | Pentazocine | Tramadol |
| | | | Morphine-3-glucuronide | | |
| Apomorphine | Desipramine | Hydrochlorothiazide | | Perphenazine | Tramadol-N-Desmethyl |

| | | | | | |
|--------------------------|-----------------------|-----------------|----------------------|-----------------|----------------------|
| Ascorbic acid | Dextromethorphan | Hydrocodone | N-Acetylprocainamide | phenacetin | Tramadol-O-Desmethyl |
| Aspartame | Diclofenac | Hydrocortisone | NaCl | Phencyclidine | Trazodone |
| Atropine | Diflunisal | Hydromorphone | Nalidixic acid | Phenelzine | Triamterene |
| Benzilic acid | Digoxin | Hydroxytyramine | Naloxone | Phenobarbital | Trifluoperazine |
| Benzocaine | Dihydrocodeine | Ibuprofen | Naltrexone | Pipamperone | Trimethoprim |
| Benzoic acid | Diphenhydramine | Imipramine | Naproxen | Prednisone | Tyramine |
| Benzoyllecgonine | DL-Tryptophan | Isoproterenol | Niacinamide | Procaine | Urea |
| Bilirubin | DL-Tyrosine | | Nicotine | Propoxyphene | Uric acid |
| Boric acid | Doxepin | Isoxsuprine | Nifedipine | Propranolol | Valproic acid |
| Buprenorphine | Duloxetine | Ketamine | Norbuprenorphine | Pseudoephedrine | Venlafaxine |
| | Ecgonine methyl ester | | | | |
| Buprenorphineglucuronide | | Ketoprofen | Norcodeine | Quinidine | Verapamil |
| Bupropion | EDDP | Labelalol | Norethindrone | Quinine | Xylazine |
| Caffeine | EMDP | Levorphanol | Norketamine | Ranitidine | Zomepirac |
| Carbamazepine | Ephedrine | Lidocaine | Normeperidine | Riboflavin | β-Estradiol |
| Ceftriaxone | Erythromycin | Loperamide | Normorphine | | |

| SYMBOL | MEANING |
|--------|----------------------------------|
| | Consult instruction for use |
| | Batch code |
| | Catalog number |
| | Do not reuse |
| | Store between 36-86°F (2-30°C) |
| | Use by date |
| | Do not use if package is damaged |

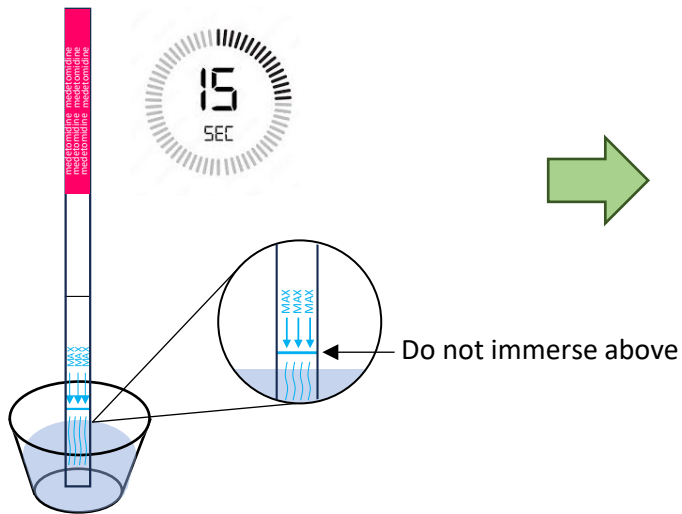
Manufactured By:

Instanosis Inc. www.instanosis.com

Email: support@instanosis.com

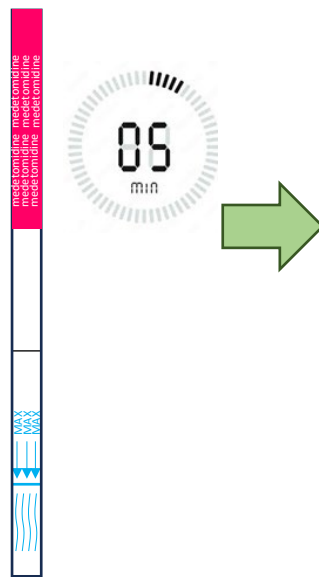
Toll Free: 1-800-946-5430

Hours of Operation: Monday – Friday 9am – 5pm (EST)



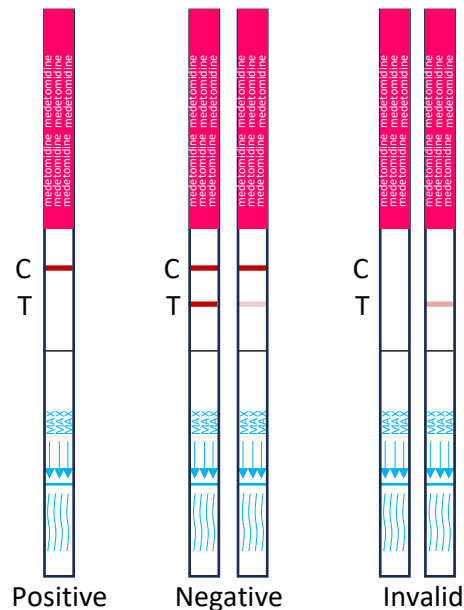
Step 1

Dip the strip in the liquid and hold for 15-20 seconds. You should see liquid migrating up.



Step 2

Take the strip out and place it on a non-absorbent flat surface. Wait for 5 minutes.



Step 3

Compare with the pictures to read result.
Do not read after 2 hours.