INSTANOSIS
Bringing High Performance Diagnostics to Patient's Side

Product Instruction

Fentanyl/Xylazine/Medetomidine Test Strip (liquid/powder)

Ref. No: FXM26

For Forensic Use Only. Not for IVD

WARNING: THIS TEST DOES NOT EVALUATE DRUG SAFETY OR PURITY

[INTENDED USE]

Instanosis Fentanyl/Xylazine/medetomidine Test Strip is a rapid immunoassay visual test for the qualitative detection of fentanyl, xylazine and medetomidine in suspicious substances at the cut-off concentration of 2 ng/ml for fentanyl, 10 ng/ml for xylazine and 50 ng/ml for medetomidine.

[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 fentanyl, xylazine and 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 fentanyl concentration at 50% of the cut-off (1 ng/ml) yielded negative results. Solutions with fentanyl concentration at 150% of the cut-off (3 ng/ml) yielded positive results. Solutions with xylazine concentration at 50% of the cut-off (5 ng/ml) yielded negative results. Solutions with xylazine concentration at 150% of the cut-off (15 ng/ml) yielded positive results. 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 identified to cause false positive results for fentanyl at 5 minutes when tested at indicated concentrations:
risperidone: 10 µg/ml; isoxsuprine: 10 µg/ml

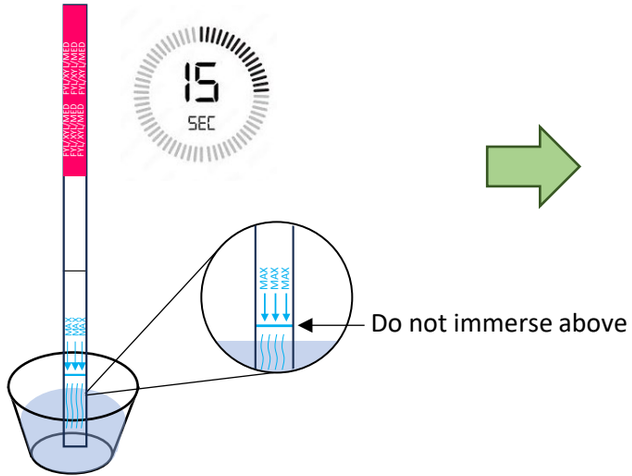
The following compounds were identified to cause false positive results for xylazine at 5 minutes when tested at indicated concentration:
clonidine: 0.35 µg/ml

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

1-(3-chlorophenyl) Piperazine	Desipramine	Loperamide	Pentazocine
2-methoxymethcathinone	Dextromethorphan	Maprotiline	Perphenazine
6-Acetyl morphine	Diclofenac	M-Chlorophenylpiperazine	phenacetin
Acetaminophen	Diflunisal	MDMA	Phencyclidine
Acetone	Digoxin	Medetomidine (except for medetomidine)	Phenelzine
Acetophenetidin	Dihydrocodeine	Meperidine	Phenobarbital
Acetylsalicylic acid	Diphenhydramine	Meprobamate	Pipamperone
Albumin	DL-Tryptophan	Metamizole	Prednisone
Albuterol	DL-Tyrosine	Methadone	Procaine
Aminopyrine	Doxepin	Methamphetamine	Propoxyphene
Amitriptyline	Duloxetine	Methapyrilene	Propranolol
Amobarbital	Ecgonine methyl ester	Methaqualone	Pseudoephedrine
Amoxicillin	EDDP	Methoxyphenamine	Quinidine
Amphetamine	EMDP	Metonitazene citrate	Quinine
Ampicillin	Ephedrine	Metronidazole	Ranitidine
Apomorphine	Erythromycin	Morphine	Riboflavin
Ascorbic acid	Ethanol	Morphine-3-glucuronide	Risperidone (except for fentanyl)
Aspartame	Etomidate	N-Acetylprocainamide	Salicylic acid
Atropine	Fenoprofen	NaCl	Secobarbital
Benzilic acid	Fentanyl (except for fentanyl)	Nalidixic acid	Serotonin
Benzocaine	Fluoxetine	Naloxone	Sulfamethazine
Benzoic acid	Fluphenazine	Naltrexone	Sulindac
Benzoylecgonine	Furosemide	Naproxen	Tapentadol
Bilirubin	Galactose	Niacinamide	Tetrahydrocortisone
Boric acid	Gamma globulin	Nicotine	Tetrahydrocortisone 3-acetate
Buprenorphine	Gentisic acid	Nifedipine	Tetrahydrozoline
Buprenorphineglucuronide	Glucose	Norbuprenorphine	Theophylline
Bupropion	Haloperidol	Norcodeine	Thiamine
Caffeine	Hemoglobin	Norethindrone	Thioridazine
Carbamazepine	Heroin	Norketamine	Tilidine
Ceftriaxone	Hydralazine	Normeperidine	Tramadol
Chloral hydrate	Hydrochlorothiazide	Normorphine	Tramadol-N-Desmethyl
Chloramphenicol	Hydrocodone	Noroxycodone	Tramadol-O-Desmethyl
Chlorothiazide	Hydrocortisone	Nortriptyline	Trazodone
Chlorpromazine	Hydromorphone	Noscapine	Triamterene
Cholesterol	Hydroxytyramine	Octopamine	Trifluoperazine
Ciprofloxacin	Ibuprofen	Ofloxacin	Trimethoprim
Clomipramine	Imipramine	O-Hydroxyhippuric acid	Tyramine
Clonidin (except for xylazine)	Isoproterenol	Oxalic acid	Urea
Cocaine	Isotonitazene	Oxazepam	Uric acid
Codeine	Isoxsuprine (except for fentanyl)	Oxolinic acid	Valproic acid
Cortisone	Ketamine	Oxycodone	Venlafaxine
Cotinine	Ketoprofen	Oxymetazoline	Verapamil
Creatinine	Labetalol	Oxymorphone	Xylazine (except for xylazine)
Cyclobenzaprine	Levorphanol	Papaverine	Zomepirac
Deoxycorticosterone	Lidocaine	Penicillin G	β-Estradiol

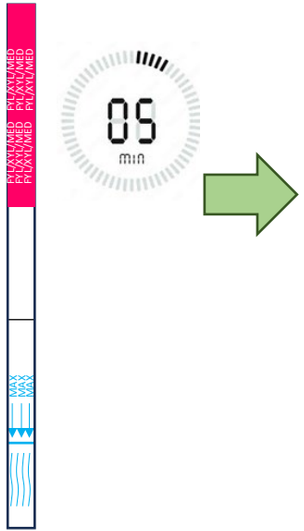
SYMBOL	MEANING
	Consult instruction for use
LOT	Batch code
REF	Catalog number
	Do not reuse
36°F 2°C / 86°F 30°C	Store between 36-86°F (2-30°C)
	Use by date
	Do not use if package is damaged

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)



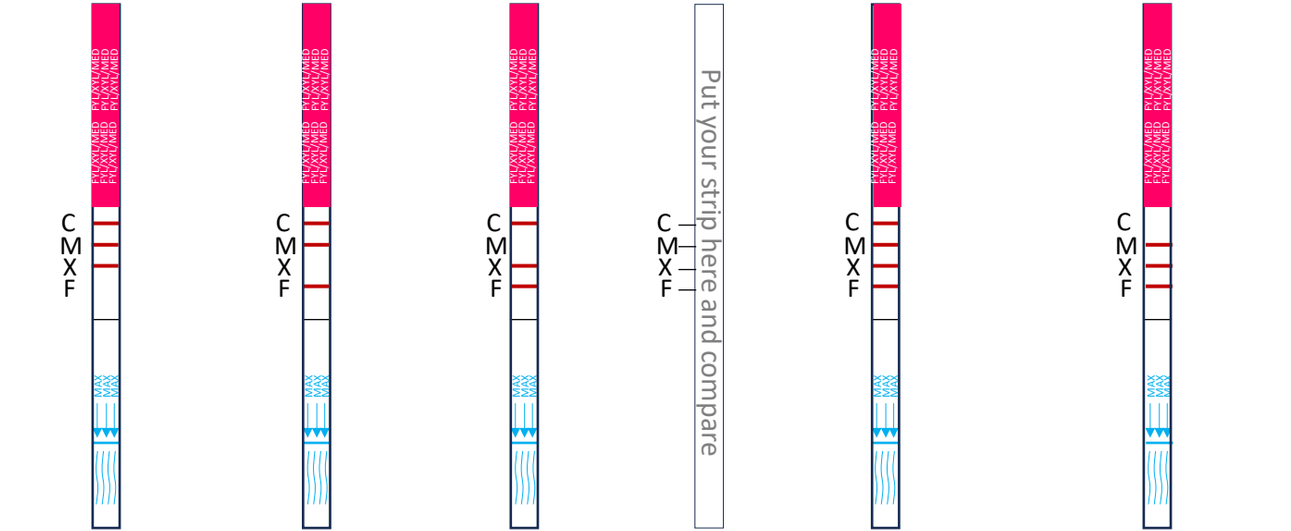
Step 1

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.



Fentanyl Positive
F line missing

Xylazine Positive
X line missing

Medetomidine Positive
M line missing

Missing 2 or 3 lines (M, X or F) indicates the presence of both or all drugs

Negative
4 lines
The line intensity does not matter

Invalid
No C line. It does not matter
If there is N, X or F line(s)

Step 3

Put the strip alongside, compare and read the result. Do not read after 2 hours.