

Product Instruction

Fentanyl/Xylazine/Nitazene Test Kit

Ref. No: KFXN25
For Forensic Use Only. Not for IVD

WARNING: THIS TEST DOES NOT EVALUATE DRUG SAFETY OR PURITY

INTENDED USE
Instantosis Fentanyl/Xylazine/Nitazene Test Kit is a rapid immunoassay visual test for the qualitative detection of fentanyl, xylazine and nitazene in suspicious substances at the cut-off concentration of 2 ng/ml for fentanyl, 10 ng/ml for xylazine and 50 ng/ml for nitazene. The kit provides the components needed for the sample preparation and substance test.

- COMPONENTS
• Individually packed test strips
• Sample vials
• Droppers
• Cotton swabs
• Product Instruction

- ITEMS MAY BE NEEDED BUT NOT PROVIDED
• Water

PROCEDURE AND RESULT INTERPRETATION
Follow the Instructions on the back

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	Diffunisal	MDMA	Phencyclidine
Acetone	Digoxin	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
		Metonitazene citrate (except for nitazene)	Quinine
Amphetamine	EMDP	Metronidazole	Ranitidine
Ampicillin	Ephedrine	Morphine	Riboflavin
Apomorphine	Erythromycin		Risperidone (except for fentanyl)
		Morphine-3-glucuronide	Salicylic acid
Ascorbic acid	Ethanol	N-Acetylprocainamide	Secobarbital
Aspartame	Etomidate	NaCl	
Atropine	Fenoprofen		
	Fentanyl (except for fentanyl)	Nalidixic acid	Serotonin
Benzilic acid	Fluoxetine	Naloxone	Sulfamethazine
Benzocaine	Fluphenazine	Naltrexone	Sulindac
Benzoic acid	Furosemide	Naproxen	Tapentadol
Benzoylecgonine	Galactose	Niacinamide	Tetrahydrocortisone
Bilirubin	Gamma globulin	Nicotine	Tetrahydrocortisone 3-acetate
Boric acid	Gentisic acid	Nifedipine	Tetrahydrozoline
Buprenorphine	Glucose	Norbuprenorphine	Theophylline
Buprenorphineglucuronide	Haloperidol	Norcodeine	Thiamine
Bupropion	Hemoglobin	Norethindrone	Thioridazine
Caffeine	Heroin	Norketamine	Tilidine
Carbamazepine	Hydralazine	Normeperidine	Tramadol
Ceftriaxone	Hydrochlorothiazide	Normorphine	Tramadol-N-Desmethyl
Chloral hydrate	Hydrocodone	Noroxycodone	Tramadol-O-Desmethyl
Chloramphenicol	Hydrocortisone	Nortriptyline	Trazodone
Chlorothiazide	Hydromorphone	Noscapine	Triamterene
Chlorpromazine			

- SAMPLE PREPARATION
The below preparation procedure is also illustrated on the back
• For liquid samples, use directly.
• For powders, wet the swab and dip into the samples to collect. There should be visible powder on the swab.
• For pills, completely swab the surfaces on both sides with the wet swab. Alternatively, scratch the surfaces with a knife and collect with the wet swab.
• For syringes and needles, completely swab the tip. If there is residual liquid, inject onto the swab.
• For cookers and spoons, completely swab the surfaces with the wet swab.
• For others, completely swab the surfaces with the web swab.

- LIMITATIONS
• The product is for forensic use and should only be used for the qualitative detection of fentanyl, xylazine and nitazene.
• 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 nitazene concentration at 50% of the cut-off (25 ng/ml) yielded negative results. Solutions with nitazene concentration at 150% of the cut-off (75 ng/ml) yielded positive results.

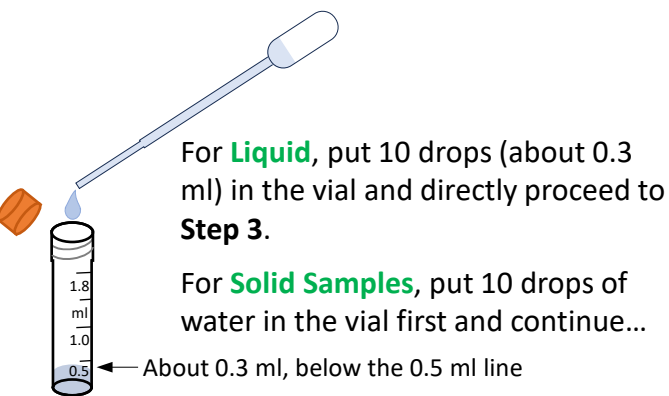
SPECIFICITY
The following compounds were identified to cause false positive results for fentanyl at 5 minutes when tested at indicated concentrations:
risperidone: 10 µg/ml; isoxxsuprine: 10 µg/ml

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

Cholesterol	Hydroxytyramine	Octopamine	Trifluoperazine
Ciprofloxacin	Ibuprofen	Ofloxacin	Trimethoprim
Clomipramine	Imipramine	O-Hydroxyhippuric acid	Tyramine
Clonidin (except for xylazine)	Isoproterenol	Oxalic acid	Urea
	Isotonitazene (except for nitazene)		Uric acid
Cocaine	Isoxxsuprine (except for fentanyl)	Oxazepam	
		Oxolinic acid	Valproic acid
Codeine	Ketamine	Oxycodone	Venlafaxine
Cortisone	Ketoprofen	Oxymetazoline	Verapamil
Cotinine	Labetalol	Oxymorphone	Xylazine (except for xylazine)
Creatinine	Levorphanol	Papaverine	Zomepirac
Cyclobenzaprine	Lidocaine	Penicillin G	β-Estradiol
Deoxycorticosterone			

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:
Instantosis Inc. www.instantosis.com
Email: support@instantosis.com Toll Free: 1-800-946-5430
Hours of Operation: Monday – Friday 9am – 5pm (EST)



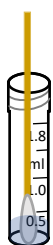
For **Powders**, dip the wet swab in and out, there should be visible powder on the swab



For **Pills**, swab the surface on both sides. Alternatively, scratch the pill with a knife and collect the debris with the swab

For **Syringes and needles**, swab the tip. If there is residual liquid, inject it on the swab

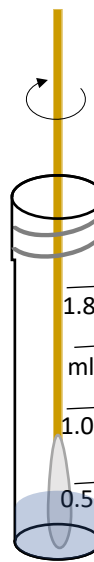
For **Cookers, Spoons or Others**, completely swab the surfaces



Wet a swab with water, and apply it to the different forms of samples

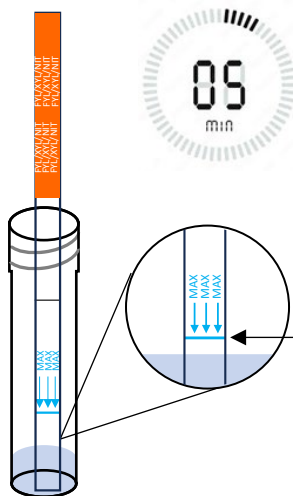
Step 1

Sample preparation



Step 2

Put the swap in the vial, stir to completely dissolve. Then discard the swab.



Step 3

Take a strip out of the pouch. Put it in the vial to immerse the tip in the water. Wait for 5 minutes.



Fentanyl Positive

F line missing



Xylazine Positive

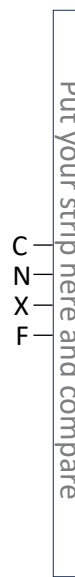
X line missing



Nitazene Positive

N line missing

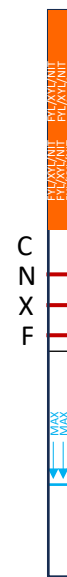
Missing 2 or 3 lines (N, X or F) indicates the presence of both or all drugs



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 4

Take out the strip and put it alongside, compare and read the result. Do not read after 2 hours.