

Methamphetamine (MET) Rapid Test Kit

Product Name

Methamphetamine (MET) Rapid Test Kit (Colloidal Gold)

Intended Use

Methamphetamine (MET) is commonly known as ice drug, is a sympathomimetic amine stimulants, normally are used for oral, intravenous injection or snorting. After taking, can increase the heart rate, blood pressure and suppress appetite, cause irritability and anxiety. If someone takes methamphetamine for a long-term or takes too much, it will lead to tolerance and physical dependence, also lead to abuse.

The test kit is one of urine test kits that no need any devices or equipment, use immuno chromatographic techniques to qualitatively detect methamphetamine in urine.

Test Principle

This kit uses specific antigen-antibody reaction, combining with Gold Immunochromatography Assay experiment, highly specific and sensitive competition method to detect the MET in urine.

When testing, urine chromatography upward by capillary action. If the concentration of MET in urine is below 1000ng/mL, colloidal gold antibodies can not combine all of MET, thus colloidal gold antibodies combines with the MET conjugates on the film, appear a red line in the test area(T). If the concentration of MET in urine is higher than 1000ng/mL, no red line appear due to the competition reaction in the test area. Whether MET exists in the urine, a red line will appear in the control area (C).

Main Components

Sample pad, colloidal gold marked pad, nitrocellulose membrane, absorbent paper and PVC board.

Specimen requirement

The urine sample has to be collected in the plastic urine cup or glass containers which are clean, dry, no any preservatives. If the urine is turbid, need to take the upper clear liquid after centrifuging, filtering or precipitation;

The sample should be used as soon as possible, can not be stored at room temperature for a long time. If not test timely, urine samples can be refrigerated at 2-8 °C for 3 days. Long-term preservation requires frozen at -20 °C, avoid freezing and thawing repeatedly.

Storage and Expiry

Store at room temperature 4-30 °C, avoid hot and sunshine, dry place, not frozen, valid for 24 months.

Test Procedure

Read the instruction carefully before testing. Beforehand, make the test kit and sample recovered to room temperature 15-30°C. The foil pouch can not be torn open until everything gets ready.

1. Open the foil pouch and take out the test strip/ cassette.

2. Test Procedure

2.1 Strip: Invade one end with an arrow of the strip into the container that filled with urine, take it out after 5s and put in on a clean and flat table. Note that the liquid level of urine can't excess the MAX line of the test strip.

2.2 Cassette: Drop three drops (about 100uL) of urine sample in the sampling well with a pipette.

3. Read the test results within 5-10 minutes, it is invalid beyond 10 minutes.

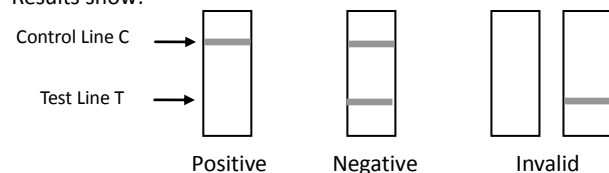
Interpretation of Result

Negative: There respectively appears a red line in control line(C) and test line (T).

Positive: There only is a red line in the control line(C), no red line appear in the test line (T).

Invalid: No red line appear in the control line(C), indicating misoperation or the kit is invalid, please try again with another kit.

Results show:



Precautions

1. The kit can only for in vitro diagnostic, is suitable for testing urine sample, there may be abnormal situation with other samples or solutions.
2. Please make sure that the right amount of sample is used for testing, too much or too little sample volume may lead to biased results.
3. Please use within the validity period; Please check if the packaging is intact before use and if the contents are complete. If it is damaged, do not use. The test results are invalid beyond the test time.
4. In the interpretation time, no matter the depth of lines, so long as two lines can be observed respectively in the control line and test line, all can be judged as negative.

Limitations

1. The kit is only suitable for testing of MET in urine.
2. The kit is for the qualitative detection reagents, can not determine the content of MET in urine.