



MMC Instruction Sheet

MMC Forensic Narcotic Test is a rapid test for the qualitative detection of narcotics and its principal metabolites in solids, resins, powders, tablets and liquids at specified cut-off level. Used as a presumptive narcotic (drugs of abuse) Single test cassettes / For professional forensic use only.

SINGLE TEST CASSETTE to detect the presence of: Amphetamines, Benzodiazepines, Cocaine-Crack, Methamphetamine-MDMA-Ecstasy, Morphine-Opiates or Cannabis THC.

MULTI TEST CASSETTE to detect the presence of: Amphetamines, Benzodiazepines, Cocaine-Crack, Methamphetamine-MDMA-Ecstasy, Opiates-Morphine and Cannabis THC.

INTENDED USE:

After a positive MMC Narcotic screening test (Ampoule) it's recommended to use the MMC Forensic Narcotic Test, or in case the suspect denies that the material found in his or her possession is not a drug. The Forensic tests are lateral flow chromatographic immunoassays for the detection of narcotics the cut-off concentration of <5 ppm (parts per million) these assays provides only a qualitative, preliminary analytical test result. A more specific alternate chemical method must be used in order to obtain a confirmed analytical result. Gas chromatography/mass spectrometry (GC-GC/MS) is the preferred confirmatory method.

PRINCIPLE:

MMC Forensic Narcotic Tests are special chromatographic immunoassay that is used to screen for the presence of narcotic solids. It is chromatographic absorbent device in which the narcotics and its metabolites in a sample competitively combined to a limited number of antibody-dye conjugate binding sites. When sample narcotic levels are at or above the target cut-off, the narcotic component in the sample binds to the antibody-dye conjugate preventing the antibody-dye conjugate from binding to the drug-protein conjugate immobilized in the Test Region (T) of the device. This prevents the development of a distinct colored band in the test region, indicating a potentially positive result. When add four drops of the special MMC buffer solution diluted with the suspected material, the sample will be absorbed into the device by capillary action, mixes with the antibody-dye conjugate, and flows across the pre-coated membrane. When sample narcotic levels are zero or below the target cut-off (the detection sensitivity of the test), antibody-dye conjugate binds to the drug-protein conjugate immobilized in the Test Region (T) of the device. This produces a colored Test line that, regardless of its intensity, indicates a negative result. To serve as a procedure control, a colored line will appear at the Control Region (C), if the test has been performed properly.

PRECAUTIONS:

- 1 This kit is for external use only. Do not swallow.
- 2 Discard after first use. The test cannot be used more than once.
- 3 Use for each test a new bottle with buffer solution this to avoid cross reactivity / contamination.
- 4 Do not use test kit beyond expiry date.
- 5 Do not use the kit if the pouch is punctured or not well sealed.
- 6 Keep out of the reach of children.
- 7 Do not read after 10 minutes

CONTENT OF THE MMC FORENSIC NARCOTIC TESTING CASE:

10 tests per kit, (One cassette per pouch). *One (1) pouch containing a test and a desiccant. The desiccant is for storage purposes only, and is not used in the test procedures.*

10 Bottles with MMC Buffer solution / Dropper.

10 Cotton Swabs (separately packed)

10 Spatulas

10 evidence bags

01 Leaflet with instructions for use (**Attention; How to use the test see overleaf**)

STORAGE AND STABILITY

Store at 4°C /39°F~30°C/86°F in the sealed pouch up to the expiration date. Keep away from direct sunlight, moisture and heat. (Do not freeze)

QUALITY CONTROL

Though there is an internal procedural control line in the test device of Control region, the use of external controls is strongly recommended as good laboratory testing practice to confirm the test procedure and to verify proper test performance. Positive and negative control should give the expected results. When testing the positive and negative control, the same assay procedure should be adopted. The tests are CE approved

SENSITIVITY & SPECIFICITY

Sensitivity: Narcotics average <300 ng /ml buffer solution (<5 ppm) To test the specificity of the test, the test device was used to test narcotics, and its metabolites and other components of the same class. The accuracy of the tests have been compared versus GC and GC-MS.

Comparison : **Positive results 99,38% Negative results 97,45%**

DISPOSAL

After use the cassettes /Multi cards we recommend to dispose the cassettes into the trash. Or in accordance with the waste Disposal regulations current in the country use.

Manufactured by:

M.M.C. International B.V.

Frankenthalerstraat 16-18

4816 KA BREDA

The Netherlands

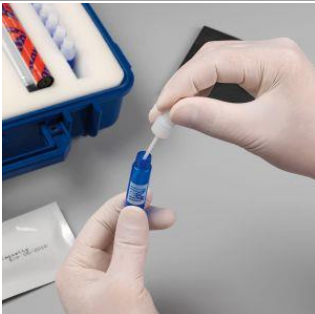

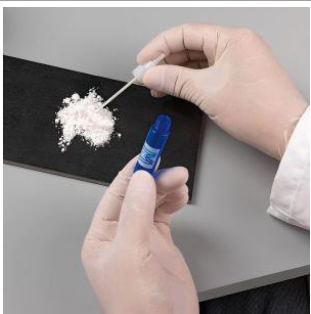






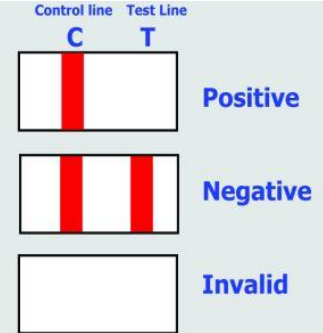
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<p>Unscrew the white closure of the MMC special buffer solution container</p>	<p>Place a small part of the solid or tablet in the container of the MMC special buffer solution (*Cannabis (THC) / tablets, leave the bottle for 4-5 minutes before testing)</p>	<p>Dip the stick which is attached to the closure into the sample to be tested (liquid / powder)</p>
		
<p>Wet the cotton swab in the buffer solution and Rub the cotton swab a few times on the surface to be tested</p>	<p>Immerse the cotton swab in the container and mix the substance on the swab with the buffer solution by rotating the swab between the fingers</p>	<p>Close the MMC special buffer solution container tightly and thoroughly shake the MMC special buffer solution container for some seconds</p>
		
<p>Grasp the buffer solution container in one hand and snap off the tip so it becomes a dropper</p>	<p>Open the pouch of the test cassette/multi panel</p>	<p>Apply 4 drops* into the round opening (sample well) of the cassette or multi panel at 5 second intervals to achieve the best result</p>
		<p>Wait until the red lines appear (2 seconds to 5 minutes)</p> <p>Do not read the result after 10 minutes.</p>