



INSTRUCTIONS FOR USE ONE STEP hCG URINE / SERUM

PREGNANCY TEST

oduct Code: THCG03

man chorionic gonadotropin (hCG) in urine / serum BACKGROUND INFORMATION

man Chorionic Ganadotroph Is of the placenta shortly after rease in concentration during

INTENDED USE

REAGENTS

METHOD

The hCG lest uses immunochromatographic technology for the qualitative detection of hCG in urine / serum. The test is a two-site immunometric assay in which a combination of monocional and polycional antibodies is used to selectively detect hCG in samples with a high degree of sensitivity. Mouse monocional anti-hCG antibody was immobilized on the test area. "T and goal anti-incuse [6] oplyclonal antibody was immobilized on the test area." Tand goal anti-incuse [6] oplyclonal antibody was immobilized on the lost area. "C' of the nitrocellulese membrane. Monocional anti-hCG antibody conjugated with colloids gold particles, was dried on a conjugate gad. Sample is introduced from sampling pad. If there is NCG in the sample. NCG binds to the mobile monocional anti-hCG antibody and as a result of this, hCG molecules that are arready bound to mobile monocional anti-hCG antibody and as a result of this, hCG molecules that are arready bound to mobile monocional anti-hCG antibodies conjugated with colloids gold particles in the test area." To decorrect the sample may a visible colored and use to the excursional and the complex of the sample than sample moves to the test area. "To gether with unbound (free) monocional anti-hCG antibodies conjugated with colloids gold particles. Immobilized mouse monocional anti-hCG antibodies conjugated with colloids gold particles. Immobilized mouse monocional anti-hCG antibodies conjugated with colloids gold particles, therefore no visible colored signal can be obtained (no colored test line) indicating negative test result. Regardless of hCG content of the liquid sample, mobile monocional anti-hCG antibodies conjugated with colloids gold particles by indicating negative test result. Regardless of hCG content of the liquid sample is passing through the control area "C". Therefore accumulation of colloids gold particles produces a visible colored signal in the control area" C"(a colored control line) indicating a valid test result. Colored line should be visible in the control area" C" (

PRECAUTIONS AND LIMITATIONS

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 1. For professional and in vitra diagnostic use only.

 2. Don rotuse sets the byond expiry date. The test device is single use. Do not reuse.

 3. The test device should remain in its original sealed pouch until usage. Do not use the test if the seal is broken or the pouch is damaged.

 4. Wear disposable gloves while performing the test.

 5. Use a new dropper for each sample.

 6. All patients amaplies should be handled as taking capable of transmitting disease into consideration. Observe established precautions against microbiological hazards throughout all procedures and follow the standard procedures for proper disposal of samples.

 7. Drugs containing InC. Occan affect the results of the fell of gravity, may not contain representative levels of hCG. If pregnancy is still suspected, a first morning urine sample should be collected 48 hours later and tested.

 9. This test may produce false positive results in such conditions other than pregnancy, including trophoblastic disease and certain non-trophoblastic neoplasms including breast cancer and lung cancer, cause elevated levels of hCG. Therefore, the presence of hCG in urine or serum samples should not be used to diagnose pregnancy unless these conditions have been ruled usual.

 10. This test may produce false negative results. False negative results may occur when the levels of hCG are below the semiles with the pregnancy in the sample should be collected 48 hours later and tested. In case pregnancy is suspected and the test continues to produce negative results. Perform further tests.

 11. As with any saxy employing mouse antibodies, the possibility exists for interference by human anti-mouse antibodies (HAMA) in the sample. Samples from possible results.

 12. This test Willidicate only the presence or absence of hGC diagnosis or therapy may contain HAMA. Such samples may cause false negative results.

Test device should be kept away from direct sunlight, moisture, heat and radiation sources. Store at 4 - 30°C (39 - 86°F). Do not freeze. The test in the original packaging retains stable until expiry date at storage conditions. The test device should be used in maximum one hour after the foil is oper McComponents Test devices, droppers and instructions for use.

Additional materials required but not provided : Samp

Additional materials recommended but not provided: Micropipettes to deliver mentioned amount of sample in the test procedure, negative and

SAMPLE COLLECTION AND PREPARATION

The test can be performed using fresh human urine or serum.

For Urine Samples: No special preparations are required for urine samples. Sample must be collected in a clean, dry contains preservatives or chemical compounds. The urine sample collected at any time of day is used; however the first morning urine that gener NGG is preferred. Urine samples that contain visible precipitants should be centrifuged and filtered or should stand by in order to obtain test. Urine samples can be kept for maximum of 2 hours at 2 - 8 °C before testing. Urine containing excessive amount of bacterial contains testing to inaccurate results.

For Serum Samples: Blood sample can be collected at any time of day, to obtain serum sample. Collect blood into a collection tube wisettle for 30 minutes for blood coagulation and then centrifuge the blood. At the end of centrifuge period remaining supernatant is used hemologized samples. If the sample cannot be tested on the day of collection, store the serum samples in a refrigeration of refezer. Do n samples repeatedly. Bring the samples to room temperature before testing. Trocen samples must be completedly thaved and mixed we as amples should be envirtiged. Using of frozen and thaved samples should be avoided whenever possible, due to the blocking of the minutes.

- Take the test device out of its pouch. Bring the tests and urine / serum samples to room temperature.
 Traw urine/ serum into dropper and put 3 drops (120 µl) into the sample well of the cassette.
 Avoid the formation of any air bubbles.
 3. Depending on the hCG concentration in the sample, the test can react even in 5 minutes. Results should be read within 10 min results beyond 05 minutes, results forming after 20 minutes should be regarded as invalid.
- INTERPRETATION OF RESULTS

Negative: Only one colored line is visible in "C" area, indicating that hCG hormone does not exist; NOT PREGNANT.
Positive: Two colored lines are visible in "C" and "T" areas, indicating that hCG hormone exists; PREGNANT.
Low concentration of hCG may cause a fairt line in "T" area. Even such a fairt line in "T" area should be regarded as "positive"
Invalid: No colored line is visible or only one colored line is visible in "T" area; test should be repeated using a new test device





QUALITY CONTROL

Sensitivity : 99,4%

Tests have built in procedural quality control features. When the test is complete, the user will see a colored line in the "C" area of the test on negative samples and a colored line in the "T" and "C" area on positive samples. The appearance of the control "C" line is considered as an internal social control "In line includates that sufficient volume of sample was added as well as valid test result. It is recommended that a negative control and a positive control be used to verify proper test performance as an external control. Users should follow appropriate federal, state and local guidelines concerning the external relity controls.

PERFORMANCE EVALUATION | + Result | - Result | 3 | 190 |

+ Predictive value : 99,9% -Predictive value : 98,4%

The test has been standardized to WHO International Standard.
There is no Hook Effect (Measurement range up to 200.0001 Uh CG/L)
Varying sample by within the range of 4 and 9 has no significant effect on the assay results.
Varying sample specific gravity within the range of 1.003 1.040 has no significant effect on the

Cross Reactivity: Cross reactivity has been tested with hormones as hFSH, hLH, hTSH. The addition of LH (500 IU/L), FSH (1000 IU/L), TSH (1000 IU/L) to and positive samples showed no cross reactivity with the hCG Pregnancy Rapid Test.

Interferences : Follow

Specificity: 99,9%

h Albumin h Haptoglobin h Myoglobin Cow milk Ascorbic acid Salicylic acid

EXPECTED VALUES

Negative results are expected in healthy non-pregnant women and healthy man. Healthy pregnant women have hCG present in their urine and serum samples. T amount of hCG will very greatly with gestational age and between individuals. One step hCG test has a susceptibility of 10 IU/L for urine / serum. The test is capable detecting pregnancy within the 7 days before expected menstruation period.

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TÜRKLAB TIBBİ MALZEMELER SAN. TİC. A .Ş. A.O.S.B 10040 Sok. No:20 Çiğli-İzmir / TURKEY TEL: +90 232 376 80 81 FAX: +90 232 376 80 40 info@turklab.cc









