



INSTRUCTIONS FOR USE ONE STEP hCG URINE / SERUM

PREGNANCY STRIP TEST

Only for professional in vitro diagnostic use

Product Code: THCG09
Rapid one step test for the o

tion for human chorionic gonadotropin (hCG) in urine / serum

BACKGROUND INFORMATION

nan Chorionic Gonadotrophin (hCG) is a sialoglycoprotein with a molecular weight of approximately 46.000 daltons. hCG is initially secreted by the trophoblastic of the placentla shortly after implantation of the fertilized ovum into the uterine wall. As hCG appears shortly after conception both in serum and urine and the base in concentration during the early stages of pregnancy provides this hormone as a perfect marker for the early determination of pregnancy.

INTENDED USE

REAGENTS

nti-hCG antibody, goat anti-mouse IgG polyclonal antibody, colloidal gold conjugate of monoclonal anti-hCG antibody

METHOD

hromatographic technology for the qualitative detection of hCG in urine / serum. The test is a two-site immunometric assay in which a nd polydonal antibodies is used to selectively detect hCG in samples with a high degree of sensitivity. Mouse monoclonal anti-hCG the test area "T" and goat anti-mouse IgG polydonal antibody was immobilized on the control area "C" of the nitrocellulose membrane. It conjugated with colloidal gold particles, was dred on a conjugate pad. Sample is introduced from sampling pad. If there is hCG in the folle monoclonal anti-hCG antibodies conjugated with colloidal gold particles. Together they move to the test area "T". hCG-nolecules es monoclonal anti-hCG antibodies conjugated with the lest area "T" hus creating a visible colored signal due to the accumulation of colloidal gold particles. The control is a visible colored signal due to the accumulation of colloidal anti-hCG antibodies conjugated with colloidal gold particles. Immobilized moise memoclonal anti-hCG antibodies conjugated with colloidal gold particles. Immobilized moise memoclonal anti-hCG antibodies conjugated with colloidal gold particles in the control area "C" antibodies conjugated with colloidal gold particles in the control area "C" in a control of the fluid colloidal gold particles in the grant of the control area." ("C" in a control area "C" in a control area." ("C" in a contro The hCG test uses immunochromatographic tec combination of monoclonal and polyclonal antib antibody was immobilized on the test area." Ta mantibody was immobilized on the test area." Ta m Monoclonal anti-hCG antibody conjugated with c sample, hCG binds to the mobilie monoclonal and bind to the immobilized mouse monoclonal and antibodies (corjugated with colloidal gold particle sin the test area." T (a colored test li with unbound (free) monoclonal and anti-hCG antibodies (corjugated with colloid gold particle).

PRECAUTIONS AND LIMITATIONS

- Fig. Capturions AND LIMITATIONS

 Forprofessional and in vitro diagnostic use only.

 Donot use test kill beyond expiry date. The test device is single use. Do not reuse.

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

 Wear disposable gloves while performing the test.

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

 Very ditlet unine samples, as indicated by a low specific gravity, may not contain representative levels of hCG. If pregnancy is still suspected, a first morning unine ample should be collected 4 hours later and tested.

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 This test may produce false negative results. False negative results any occur when the levels of hCG are below the sensitivity level of this test. When pregnancy is asseptively and the samples and tested in case pregnancy is suspected and the test continues to roduce negative results, perform further tests.

 O As with any assay employing mouse ambitodies, the possibility exists for interference by human anti-mouse antibodies (HAMA) in the sample. Samples from altered who have received preparations of monocional antibodies for diagnosis or threapy may contain HAMA. Such samples may cause false negative or false colliver seals.
- positive results.

 11. This test will indicate only the presence or absence of hCG hormone in the sample, and should not be used as the only basis for the detection of pregnancy.
 As with all diagnostic tests, it should be kept in mind that an identification diagnosis can't be based on a single test result. Diagnosis can only be reached by an expaffer the evaluation of all clinical and laboratory findings.

STORAGE

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 opened

Kit components: Test devices

nal materials required but not provided Sample

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 containing preservatives or chemical compounds. The urine sample collected at any time of day is used; however the first morning urine that gener hCG is preferred. Urine samples that contain visible precipitants should be centrifuged and filtered or should stand by in order to obtait ests. Urine samples can be kept for maximum of 2 hours at 2 - 8 °C before testing. Urine containing excessive amount of bacterial control as leading 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 without anticoagulant, leave to settle for 30 minutes for blood coagulation and then centrifuge the blood. At the end of centrifuge period remaining supernatant is used as serum. Do not use turbid, hemolyzed samples. If the sample cannot be tested on the day of collection, store the serum samples in errifigerator or ferb. Do not freeze and that whe serum samples is presentedly. Bring the samples to own temperature before testing. Frozen samples must be completely thaved and mixed with prior to testing. Turbid test samples should be centrifuged. Using of frozen and thaved samples should be avoided whenever possible, due to the blocking of trozen and they the debris.

TEST PROCEDURE

ake the lest device out of its pouch. Bring the lests and urine / serum samples to room temperature.

Sace the stip in lot be urine/ serum as far as the line (shown by arrow) and leave for Seconds then take out immediately.

spending on the NCC concentration in the sample, the test can react even in 5 minutes. Results should be read within 10 minutes as shown below. Do not lits beyond 20 minutes, results forming after 20 minutes should be regarded as invalid.

INTERPRETATION OF RESULTS

**C area appears on the upper part of strip near with blue handling part.

**T area appears on the lower part of strip introduced sample.

**Proverse appears on the lower part of strip introduced sample.

**Pleaser effer to figure 1 for the C and T areas location.

*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 faint line in "T" area. Even such a faint line in "T" area should be reparted as "positive in "C" and "T" area.

*Proventing the colored lines is visible in "C" and "T" area.

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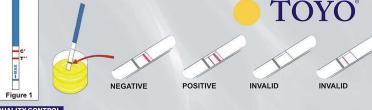
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QUALITY CONTROL

Tests have built in procedural quality control features. When the test is complete, the user will see a colored line in the "T and "C" area on positive samples. The appearance of the control "C" line is coulficient volume of sample was added as well as valid test result. It is recommended that a neg performance as an external control. Users should follow appropriate federal, state and local guideline

PERFORMANCE EVALUATION

: 98,4%

Sensitivity : 99,4% + Predictive value : 99,9%

he test has been standardized to WHO International Standard.

However is no Hook Effect (Measurement range up to 200.000 IU hCG/L)

Whyting sample PI within the range of 4 and 9 has no significant effect on the assay results.

Inving sample specific gravity within the range of 1.003

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

llowing pot

10 mg/L 100 mg/L 4 g/L 100 mg/L 2000 mg/dl 20 mg/dl h Haptoglobin Ascorbic acid Alcohol Bovine serum Hemoglobin Atropine 10 mg/L 2 g/L 5 ml/L 100 mg/L 1 mg/dl 20 mg/dl h Myoglobin Salicylic acid Cellulose Caffeine Protein

Specificity: 99,9%

ed interfered in the assay. can cause to invalid or false results. The test is designed for urine / serum samples. Using wh

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. The amount of hCG will very greatly with gestalonal 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. REFERENCES

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variety of the Communication of the Communi J.), New York: Mc Graw-Hill Book Co. 1987: 253. bhin Levels Throughout Normal pregnancy. Am J Obstet Gynecol 1976; hologic Pregnancy J Clin Endocrinol Metab 1962: 22: 564-74 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@tu GESAN PRODUCTION s.r.l.

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