



QuickVue[®]
hCG Urine TEST

CLIA Complexity: WAIVED

For *in vitro* diagnostic use.

Rx ONLY

A symbols glossary can be found at quidel.com/glossary.



The QuickVue hCG Urine Test is a one-step immunoassay intended for the qualitative detection of human Chorionic Gonadotropin (hCG) in urine for the early detection of pregnancy. The test is intended for use by healthcare professionals.

SUMMARY AND EXPLANATION

Human Chorionic Gonadotropin is a hormone produced by the placenta shortly after implantation. Since hCG is present in the urine of pregnant women, it is an excellent marker for confirming pregnancy.

PRINCIPLE OF THE TEST

The QuickVue test uses a monoclonal antibody specific to the beta subunit of hCG in a single-step technology to accurately detect hCG.

Urine is added to the Sample Well on the test Cassette. If hCG is present in the specimen at a level of 25mIU/mL or greater, a pink-to-red Test (T) Line will appear along with a blue procedural Control (C) Line in the Result Window. If hCG is present at lower levels, or not present in the specimen, only a blue procedural Control Line will appear in the Result Window.

REAGENTS AND MATERIALS SUPPLIED

- 25 individually wrapped test Cassettes
 - ▶ Test Strip contains murine monoclonal anti-hCG antibody
- 25 Disposable Pipettes
- 1 Package Insert
- 1 Procedure Card

MATERIALS REQUIRED BUT NOT PROVIDED

- Watch or clock that measures minutes
- Specimen collection containers

MATERIALS RECOMMENDED BUT NOT PROVIDED

- External hCG controls traceable to WHO Standard (4th IS 75/589)

WARNINGS AND PRECAUTIONS

- For *in vitro* diagnostic use
- Do not use kit contents after the expiration date printed on the outside of the kit.
- Use of Nitrile or Latex gloves is recommended when handling patient samples.¹
- To obtain accurate results, you must follow the Package Insert instructions.
- Dispose of containers and unused contents in accordance with Federal, State and Local regulatory requirements.
- Wear suitable protective clothing, gloves, and eye/face protection when handling the contents of this kit.
- Wash hands thoroughly after handling.
- For additional information on hazard symbols, safety, handling and disposal of the components within this kit, please refer to the Safety Data Sheet (SDS) located at quidel.com.

KIT STORAGE AND STABILITY

Store kit at room temperature 59°F to 86°F (15°C to 30°C), out of direct sunlight. Kit contents are stable until the expiration date printed on the outer box carton.

SPECIMEN COLLECTION AND STORAGE

Collect urine specimens in clean containers. First morning specimens generally contain the highest concentrations of hCG and are recommended for early detection of pregnancy. However, any urine specimen is suitable for testing.

Specimens may be kept at room temperature for 8 hours or refrigerated at 36°F to 46°F (2°C to 8°C) for up to 72 hours. Samples may be frozen once at –20°C or below. If frozen, mix after thawing. Do not refreeze.

QUALITY CONTROL

Built-in Control Features

The QuickVue test provides several levels of internal procedural controls with each test run. For daily quality control, Quidel recommends documenting these controls for the first sample tested each day.

The appearance of a blue procedural Control Line is an internal positive control. This indicates that sufficient sample fluid was added for capillary flow to occur and the correct procedural technique was used. If this line does not develop, the test result is considered invalid.

A clear background in the test result window is an internal background negative control. If the test has been performed correctly, the background should be white to light pink within 3 minutes and not interfere with the reading of the test result.

External Quality Control Testing

External controls may also be used to assure that the reagents are performing properly and that you are able to correctly perform the Test Procedure. For this purpose, we recommend using the hCG Control Set – Urine (Cat. #00272). Some commercial controls may contain interfering additives and are not recommended for use in the QuickVue test.

Good Laboratory Practice suggest that external controls should be tested with each new lot or shipment of test materials, and as otherwise required by your laboratory's standard quality control procedures.

TEST PROCEDURE

When performing more than one test, ensure test Cassettes are labeled correctly. Use a new Pipette for each sample/test.

- Remove the QuickVue test Cassette from the foil pouch just before use and place it on a clean, dry, level surface.
- Using one of the Disposable Pipettes supplied, collect sample and add **3 DROPS** (125 µL) of urine to the **Round Sample Well** on the test Cassette. The test Cassette should not be handled or moved until the test is complete and ready for reading.
- **WAIT 3 MINUTES AND READ.**

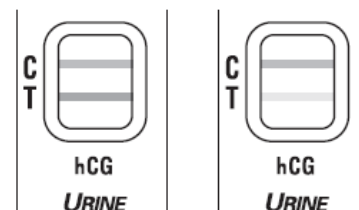
Note: Some positive results may be seen sooner.

INTERPRETATION OF RESULTS

See Procedure Card for color result interpretation.

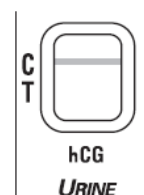
Positive

Any pink-to-red Test Line (T) along with a blue Control Line (C) is a positive result for the detection of hCG.



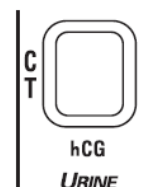
Negative

A blue Control Line (C) and no pink Test Line (T) is a negative result.



Invalid Result

The test result is invalid if a blue Control Line (C) is not visible at 3 minutes. If this happens, retest using a new sample and a new test Cassette or contact Quidel Technical Support.



LIMITATIONS

- The contents of this kit are for use in the **qualitative** detection of hCG in urine.
- Test results must always be evaluated with other data available to the physician.
- While pregnancy is the most likely reason for the presence of hCG in urine, elevated hCG concentrations unrelated to pregnancy have been reported in some patients.^{2,3} Conditions other than normal pregnancy may be associated with detectable hCG, including, for example, ectopic pregnancy or molar pregnancy.⁴ Patients with trophoblastic and nontrophoblastic disease may have elevated hCG levels, therefore, the possibility of hCG secreting neoplasms should be eliminated prior to the diagnosis of pregnancy.
- hCG may remain detectable for a few days to several weeks after delivery, abortion, natural termination or hCG injections.^{5,6}
- Abnormal pregnancies cannot be diagnosed by qualitative hCG results. The above conditions should be ruled out when diagnosing pregnancy.

- Early pregnancy associated with a low level of hCG may show color development after the 3 minute procedure time. If a negative result is obtained but pregnancy is suspected, hCG levels may be too low or urine may be too dilute for detection. Another specimen should be collected after 48 to 72 hours and tested. If waiting 48 hours is not medically advisable, the test result should be confirmed with a quantitative hCG test.

EXPECTED VALUES

Specimens containing as low as 25 mIU/mL (calibrated against the WHO 4th IS 75/589) hCG will yield positive results when tested with the QuickVue test. In normal pregnancy, hCG can be detected as early as 6 days following conception with concentrations doubling every 32 to 48 hours, peaking in excess of 100,000 mIU/mL in approximately 10 to 12 weeks.⁷ For some patients, an hCG level of 25 mIU/mL can be detected as early as 2 to 3 days before expected menses.⁸

PERFORMANCE CHARACTERISTICS

A multi-center clinical study was conducted to establish the performance of the QuickVue hCG Urine Test compared to results obtained from another commercially available hCG test. A quantitative method was used to resolve any discrepant results between the two test methods. In this multi-center field trial, four hundred ninety-nine (499) urine specimens, collected from patients presenting for pregnancy testing, were evaluated. A concordance of > 99% was determined.

		Urine Correlation		
		hCG Comparative Test		
		+	-	
QuickVue hCG-Urine Test	+	252	0	Sensitivity: > 99% Specificity: > 99% Agreement: > 99%
	-	0	247	

PHYSICIAN'S OFFICE LABORATORY (POL) STUDIES

An evaluation of the QuickVue test was conducted at three Physicians' Offices using a panel of coded specimens. Testing was performed by physician's office personnel with diverse educational backgrounds and work experience at three geographically distinct locations. The proficiency panel contained negative, low positive and moderate positive samples. Each sample level was tested in multiple replicates at each site over a period of 3 days.

The results obtained at each site had 100% agreement with the expected results. No significant differences were observed within run, between runs, or between sites.

Cross-Reactivity

hTSH, hLH, and hFSH were tested and showed no cross-reactivity in the test.

Interference Testing

The following compounds were tested and did not interfere with the performance of the test.

Chemical Analytes	Concentration
Acetaminophen	20 mg/dL
Acetoacetic Acid	2000 mg/dL
Acetylsalicylic Acid	20 mg/dL
Ascorbic Acid	20 mg/dL
β-Hydroxybutyrate	2000 mg/dL
Benzoyllecgonine (cocaine metabolite)	10 mg/dL
Biotin	< 714 ng/mL
Caffeine	20 mg/dL
Cannabinol	10 mg/dL
Chlomiphene	100 mg/dL
Cocaine	10 mg/dL
Codeine	10 mg/mL
DMSO	3%
Ephedrine	20 mg/dL
Ethanol	1%
Heroin	1 mg/dL
Gentisic Acid	20 mg/dL
Methadone	10 mg/dL
Methamphetamine	10 mg/dL
Methanol	10%
Phenothiazine	20 mg/dL
Phenylpropanolamine	20 mg/dL
Salicylic Acid	20 mg/dL
Theophylline	20 mg/mL
Uric Acid	20 mg/dL
Urine Analytes	Concentration
Albumin (serum)	2000 mg/dL
Bilirubin	1000 µg/dL
Hemoglobin	1000 µg/dL
Glucose	2000 mg/dL
Urine pH	5-9
Hormones	Concentration
hLH	500 mIU/mL
hFSH	1000 mIU/mL
hTSH	1000 µIU/mL
Estriol 17-beta	1400 µg/mL
Pregnanediol	1500 µg/mL
Bacteria	Concentration
E. coli	10 ⁸ CFU/mL
Group B Streptococcus	2.5 x 10 ⁷ CFU/mL
Chlamydia trachomatis	10 ⁷ IFU/mL

ASSISTANCE

If you have any questions regarding the use of this product, please contact Quidel Technical Support at 1.800.874.1517 (in the U.S.) or technicalsupport@quidel.com. If outside the U.S., further information can be obtained from your distributor, or directly from Quidel at one of the numbers listed below. Reference quidel.com to see more options for Support.

Country	Phone	E Mail Address
Europe, Middle East and Africa	+353 (91) 412 474 (main) 0 1800 200441 (toll free)	emeatechnicalsupport@quidel.com
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20109 – QuickVue hCG Urine 25 Test Kit

REF

20109IN – QuickVue hCG Urine 25 Test Kit

20109SC – QuickVue hCG Urine 25 Test Kit

00272 – hCG Control Set

IVD



EC REP

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1040605EN00 (07/21)

REF

Catalogue number



CE mark of conformity

EC REP

Authorized Representative
in the European Community

LOT

Batch code



Use by



Manufacturer



Temperature limitation



Intended use

R_x ONLY

Prescription use only



Consult instructions for use

IVD

For *In Vitro* diagnostic use



Contains sufficient for 25 determinations

CONT

Contents/Contains
