

Cat.No. 101-0197

Size 1 stick

Cat.No. 101-0145

Size 30 sticks

Cat.No. 101-0243

Size 50 sticks

PRINCIPLE:

HCG one - step assay is a qualitative, sandwich dye conjugate immunoassay for the determination of human chorionic gonadotropin in urine. The method employs a unique combination of monoclonal and polyclonal antibodies to selectively identify HCG in test samples. In less than 5 minutes, elevated levels of HCG as low as 25 IU/l can be detected.

As the sample flows through the absorbent strip, the labeled antibody-dye conjugate binds to the HCG in the specimen forming an antibody-antigen complex. This complex binds to anti HCG antibody in the reaction zone and produces a pink-rose color band when HCG concentration is greater than 25 IU/l. In the absence of HCG, there is no line in the reaction zone. The reaction mixture continues flowing through the absorbent device over the positive reaction zone and negative control zone. Unbound conjugate binds to the reagents in the negative control zone, producing a pink-rose color band, demonstrating that reagents and strip are functioning correctly.

SAMPLE:

Urine

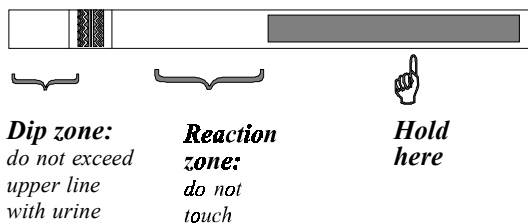
The sample must be collected in a clean dry container, either plastic or glass, without any preservatives. Specimens collected at any time may be used; however, the first morning urine generally contains the highest concentration of HCG.

Urine specimens may be refrigerated (2 °C - 8 °C) and stored up to 72 hours prior to assaying. If samples are refrigerated, they must be equilibrated to room temperature before testing. Urine samples exhibiting visible precipitates should be filtered and only clear aliquots are used for testing.

COMPONENTS OF HCG ONE-STEP ASSAY STICK:

1. HCG one-step assay stick

Test device containing polyclonal antibody coated membrane and a pad containing lyophilized mouse monoclonal IgG (antibody) dye conjugate in protein stabilizer, 0.1% sodium azide.

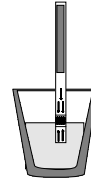


PROCEDURE:

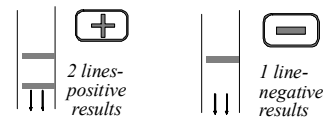
1. Fill a test tube or urine cup with urine sample and hold the strip in a vertical position. The urine level should not be higher than the "max level" indicated on the strip.

Dip vertically into fresh urine for 3 seconds.

Place stick horizontally and wait 1 - 5 minutes.



2. Read results after 5 minutes.



QUALITY CONTROL:

Each reaction strip has its own built control indicator. If after performing the test no line is visible on the strip, you may have placed the strip into the tube incorrectly or the test device may have been deteriorated. You must repeat the assay using a new HCG one-step assay stick.

NOTE:

1. **Warning!**
The reagents in this kit contain sodium azide that may react with lead or copper plumbing to form potentially explosive metal azides. When disposing such reagents, always flush with large volumes of water to prevent azide build up.