

Beta-ICG quantitative Technical Bulletin

Effective July 1 Biotech Clinical Laboratory will discontinue offering Urine Pregnancy test (Test code 81025) and Qualitative Serum Pregnancy test (Test Code 20011).

Our laboratory will continue to perform **serum Beta-ICG quantitative test (Test code 4127)**.

Diagnostic sensitivity of qualitative serum tests is lower than serum quantitative tests.

Quantitative serum HCG tests can detect pregnancy in 7-10 days after conception using 5 IU/L as a threshold.

One disadvantage of Urine Pregnancy tests is that they can give false positive results. Even with sensitive and specific urine pregnancy tests, there are several causes of a false-positive result. False-positive results are associated with germ cell ovarian tumors, gestational trophoblastic tumors, and placental site trophoblastic tumors, ectopic pregnancy, paraneoplastic syndromes, urothelial bladder carcinoma with choriocarcinoma differentiation, lung carcinoma, urogenital anatomical malformations, tubo-ovarian abscess, adenomyosis, metastatic melanoma, treatment with selective serotonin reuptake inhibitor (SSRI) antidepressants, nephrotic syndrome, following blood transfusions, and in perimenopausal and postmenopausal states.

If you have any questions, please contact Dr. E.Dvorin, Technical Director at 248-912-1700.