

SEX HORMONE PROFILE – EPT

This test is used to evaluate hormone levels. The following tests are included in this panel: Estradiol, Free Testosterone, and Progesterone.

■ Estradiol

This test is used to assess hypothalamic and pituitary functions. In females it is used to evaluate menopausal status and sexual maturity. In males it is helpful in the assessment of gynecomastia or feminization syndromes.

■ Free Testosterone

This test is used to evaluate hirsutism and masculinization in women, and evaluate testicular function in clinical states in which the testosterone binding proteins may be altered (obesity, cirrhosis, thyroid disorders).

■ Progesterone

In females this test is used to establish the presence of a functional corpus luteum or luteal cell function, confirm body temperature for occurrence of ovulation, obtain indication of day of ovulation, evaluate the functional state of corpus luteum in experiencing infertility, assess placental function during pregnancy, and evaluate ovarian function. In males this test is used to establish the presence of progesterone and 17- β -hydroxyprogesterone, considered weak androgens. Increased levels are found in congenital adrenal hyperplasia due to 21-hydroxylase, 17-hydroxylase, and 11- β -hydroxylase deficiency. Levels are decreased in primary or secondary hypogonadism.

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