

17-HYDROXYCORTICOSTEROIDS & 17-KETOSTEROIDS, 24 HOUR URINE (Column Chromatography)		
17- Hydroxycorticosteroids (17-OHCS)	mg/24 Hrs	(3.00-12.00)
17-Ketosteroids	mg/24 Hrs	(10.00-25.00)
Total Urine Volume	mL/24 Hrs	

SEX	VALUE IN mg/24 HOURS
Male	3-12
Female	2-7

SEX	VALUE IN mg/24 HOURS
Male	10-25
Female	6-14

Comments

17-Hydroxycorticosteroids (17-OHCS) are metabolites derived from cortisol and cortisone. This test is used for evaluation of adrenocortical function and for screening and diagnosis of glucocorticoid, hypo or hyper secretory disorders.

Increased levels: Cushing's syndrome, Adrenal tumors, Marked stress like burns, surgery, infections, Drugs like Acetazolamide, Chlordiazepoxide, Erythromycin, Estrogens etc.,

Decreased levels : Addison's disease, ACTH deficiency, Hypothyroidism, Drugs like Dexamethasone, Oral contraceptives, Narcotics and Phenytoin

17-Ketosteroids (17-KS) are metabolites of adrenal and gonadal androgenic steroids. This test is used as an indicator of adrenal rather than testicular status as 2/3rds of 17-KS is adrenal in origin in males but nearly 100% is of adrenal origin in females. It helps in the diagnosis of ovarian and adrenal tumors.

Increased Levels: Interstitial cell tumor, Virilizing tumors, Cushing's syndrome, Adrenocortical adenoma / carcinoma, severe stress, third trimester of pregnancy, drugs like Ampicillin, Cloxacillin, Dexamethasone, Erythromycin & Phenothiazines

Decreased Levels: Primary / Secondary hypogonadism, Addison's disease, Panhypopituitarism, Nephrosis, Drugs like Oral contraceptives, Phenytoin & Chlordiazepoxide.