

TEST	UNITS	ABN	RESULTS	REFERENCE RANGE
ESTRONE (E1)	ug/24 hrs		11	3 - 12.0 ug/24 hrs
2-Hydroxyestrone	ug/24hrs		15	--
16-a-Hydroxyestrone	ug/24hrs		NONE DETECTED	--
2OH/16OH Estrone Ratio			.	--

Undefined. Division by zero.

Ratios are likely to be significant only in pre-menopausal or post-menopausal women on HRT who also have levels of E1 that are significantly higher than 5 ug/24 hrs. With this in mind, it is generally thought that the ratio of 2OHE1 to 16aOHE1 should be greater than 1 and preferably greater than 2. Post-menopausal women not on HRT generally do not have levels of E1 high enough to produce significant quantities of the hydroxylated metabolites.

Also ratios of numbers where the denominator is small may result in misleading interpretations of these ratios.

4-Hydroxyestrone	ug/24hrs		1.0	--
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4-OHE1 is a free radical generator and highly estrogenic. As with the other hydroxylated E1 metabolites, levels of 4-OHE1 are likely to be significant only in pre-menopausal or post-menopausal women on HRT who also have levels of E1 greater than approximately 5 ug/24hrs.

ESTRADIOL (E2)	ug/24 hrs		4.4	0 - 7.0 ug/24 hrs
ESTRIOL (E3)	ug/24 hrs		5.0	1 - 16 ug/24 hrs
TOTAL ESTROGENS	ug/24 hrs		20	4 - 22 ug/24 hrs
TESTOSTERONE	ug/24 hrs		82	45 - 85 ug/24 hrs
Dihydrotestosterone	ug/24hrs	HIGH	18	0 - 13 ug/24hrs
ANDROSTANEDIOL	ug/24 hrs		218	48 - 578 ug/24 hrs
ANDROSTENEDIONE	ug/24 hrs	HIGH	83	0 - 50 ug/24 hrs
DHEA	ug/24 hrs	HIGH	2974	5 - 1476 ug/24 hrs
ANDROSTENETRIOL (5-AT)	ug/24 hrs	HIGH	1509	42 - 710 ug/24 hrs
ANDROSTERONE (AN)	ug/24 hrs	HIGH	5136	798 - 4705 ug/24 hrs
11b-OH Androsterone (OHAN)	ug/24hrs	HIGH	1773	461 - 1692 ug/24hrs
ETIOCHOLANOLONE (ET)	ug/24 hrs	HIGH	8249	689 - 3252 ug/24 hrs
11b-OH Etiocholanolone (OHET)	ug/24hrs		1118	134 - 1186 ug/24hrs
PROGESTERONE			NONE DETECTED	NONE DETECTED

P is normally not detectable in urine (<<1 ug/24hrs). The level of its major metabolite, ie., pregnanediol, reflects progesterone homeostasis.

PREGNANEDIOL (PD)	ug/24 hrs	HIGH	980	32 - 501 ug/24 hrs
5-PREGNENETRIOL (5-PT)	ug/24 hrs		534	28 - 1062 ug/24 hrs
CORTISONE (E)	ug/24 hrs		250	92 - 366 ug/24 hrs
THE	ug/24 hrs		5125	1365 - 5788 ug/24 hrs
THB	ug/24 hrs	HIGH	275	32 - 238 ug/24 hrs
5a-THB	ug/24 hrs		402	135 - 588 ug/24 hrs
THA	ug/24 hrs		227	52 - 277 ug/24 hrs
CORTISOL (F)	ug/24 hrs		121	35 - 168 ug/24 hrs
THF	ug/24 hrs		2083	942 - 2800 ug/24 hrs
5a-THF	ug/24 hrs		1363	796 - 2456 ug/24 hrs

None Detected =< the minimum detectable concentration with is <1.0 ug/24hrs.

Total volume = 3950 mL