

Dried Urine Reference Ranges - Hormone Metabolites

Disclaimer: Reference ranges are observed ranges based on collected laboratory data. For more information, please contact ZRT Laboratory.

Dried Urine Test		Reference Ranges for WOMEN		Reference Ranges for MEN		
		Postmenopausal	Premenopausal Luteal or HRT			
Urinary Estrogens µg/g creatinine*	Estradiol (E2)	0.15-0.75	0.78-1.79		0.18-0.49	
	Estrone (E1)	0.64-2.56	2.27-5.22		0.57-1.67	
	Estriol (E3)	0.28-1.17	0.78-1.98		0.18-0.64	
	2-OH Estradiol	0.08-0.31	0.17-0.70		0.04-0.14	
	2-OH Estrone	0.25-1.00	0.70-2.54		0.16-0.48	
	4-OH Estradiol	0.03-0.12	0.10-0.18		0.03-0.08	
	4-OH Estrone	0.06-0.22	0.17-0.47		0.04-0.10	
	16α-OH Estrone	0.10-0.41	0.35-1.07		0.06-0.21	
	2-MeO Estradiol	0.02-0.07	0.03-0.08		0.01-0.03	
	2-MeO Estrone	0.06-0.29	0.26-0.68		0.05-0.15	
	4-MeO Estradiol	<0.04	<0.04		<0.04	
	4-MeO Estrone	<0.04	<0.04		<0.04	
	Bisphenol A	1.50-4.50	1.11-3.74		0.97-2.31	
Urinary Progestogens µg/g creatinine*	Pregnanediol	56-220	465-1609		47-140	
	Allopregnanolone	0.30-1.31	2.23-14.87		0.32-1.20	
	Allopregnanediol	1.38-6.75	14.65-76.71		1.57-6.82	
	3α-Dihydroprogesterone	0.19-0.77	0.67-2.03		0.19-0.73	
	20α-Dihydroprogesterone	0.60-5.53	3.93-11.62		0.51-2.97	
	Deoxycorticosterone	0.37-1.97	0.69-2.23		0.28-1.25	
	Corticosterone	2.32-9.88	3.19-9.59		1.95-8.22	
Urinary Androgens µg/g creatinine*	DHEA	8.63-37.28	15.82-129.17		9.01-93.80	
	Androstenedione	2.07-7.94	3.93-13.53		2.12-9.51	
	Androsterone	152-482	248-937		302-724	
	Etiocholanolone	239-777	330-960		279-775	
	Testosterone	0.66-2.89	1.22-3.97		3.81-14.21	
	Epi-Testosterone	0.39-1.32	2.01-4.66		3.15-8.85	
	5α-DHT	0.26-0.98	0.28-1.52		0.71-2.46	
	5α,3α-Androstanediol	2.32-8.17	2.98-13.10		9.48-24.96	
Urinary Glucocorticoids µg/g creatinine*	Total cortisol	13.23-39.26	12.26-33.12		8.73-28.52	
	Total cortisone	23.32-59.61	23.27-50.88		14.12-42.84	
	Tetrahydrocortisol	281-711	214-546		201-597	
	Tetrahydrocortisone	551-1474	437-1184		330-1126	
	Free cortisol	1st Morning		7.8 - 29.5	1st Morning	7.8 - 29.5
		2nd Morning		23.4 - 68.9	2nd Morning	23.4 - 68.9
Evening			6.0 - 19.2	Evening	6.0 - 19.2	
Night			2.6 - 8.4	Night	2.6 - 8.4	
Free cortisone	1st Morning		31.6 - 91.6	1st Morning	31.6 - 91.6	
	2nd Morning		63.3 - 175.8	2nd Morning	63.3 - 175.8	
	Evening		30.6 - 88.5	Evening	30.6 - 88.5	
	Night		15.5 - 44.7	Night	15.5 - 44.7	
Urinary Melatonin µg/g creatinine*	6-Sulfatoxymelatonin (MT6s)	1st Morning	18.0 - 40.9	1st Morning	10.1 - 26.0	
		2nd Morning	7.3 - 31.9	2nd Morning	6.0 - 17.0	
		Evening	0.7 - 2.2	Evening	0.5 - 3.6	
		Night	1.7 - 11.1	Night	1.3 - 8.4	
Creatinine mg/mL			0.3-2.0		0.3-2.0	

*Results are expressed per gram of creatinine to correct for urine dilution.