

## ZRT Laboratory Saliva Observed Reference Ranges

**Disclaimer:** Supplement type and dosage are for provider information and are **not** recommendations for treatment. Reference ranges are observed ranges based on collected laboratory data. For more information, see [www.zrtlab.com](http://www.zrtlab.com) or contact [info@zrtlab.com](mailto:info@zrtlab.com)

			Observed Reference Ranges (1/07)	Old Ranges	
<b>WOMEN</b>					
<b>Estradiol (pg/ml)</b>	<b>Premenopausal</b>		1.3–3.3	1–5	
	<b>Postmenopausal</b>		0.5–1.7	1–1.5	
	<b>Supplement (12–24 Hrs.)</b>	Estradiol Patch (0.05 mg)		0.8–2	
		Hormonal Contraceptives		0.5–2.2	
		Oral Estradiol (.5–1.0 mg)		1.2–3.9	1.5–10
		Oral Premarin* (0.625 mg)		0.9–3.7	
		Topical Bi-est 4:1, (0.6–1.25 mg)		2.4–11.6	1.5–10
Topical Estradiol (0.5–1.0 mg)		2.9–35.5			
<b>Progesterone (pg/ml)</b>	<b>Premenopausal</b>	Luteal	75–270	100–600	
		Follicular	12–100		
	<b>Postmenopausal</b>		12–100	25–100	
		Hormonal Contraceptives	10–53		
	<b>Supplement (12–24 Hrs.)</b>	Oral Progesterone (100 mg)	30–300	100–1000	
		Topical Progesterone (20 mg)	200–3000	500–3000	
<b>Testosterone (pg/ml)</b>		All Ages	16–55		
		Ages 16–30	18–55	20–50	
		Ages >30	16–47		
	<b>Supplement (12–24 Hrs.)</b>	Hormonal Contraceptives	13–45		
		Topical Testosterone (0.3–0.5 mg)	22–86	n/a	
<b>DHEA-S (ng/ml)</b>		All Ages	2–19	3–10	
		Ages 16–30	6.4–18.6		
		Ages 31–45	3.9–11.4		
		Ages 46–60	2.7–8		
		Ages 61–75	2–6		
	<b>Supplement (12–24 Hrs.)</b>	Oral DHEA (5–10 mg)	2.8–8.6		
		Topical DHEA (5 mg)	3–8		
<b>Estrone (pg/ml)</b>			1.6–5	2–10	
<b>Estriol (pg/ml)</b>	<b>Premenopausal</b>		< 7	3–7	
	<b>Postmenopausal</b>				
	<b>Supplement (12–24 Hrs.)</b>	Oral Estriol	5–20	5–20	
		Topical Estriol	5–100	5–100	
<b>MEN</b>					
<b>Estradiol (pg/ml)</b>			0.8–2.2	0.5–1.5	
<b>Progesterone (pg/ml)</b>			15–100	25–100	
		Topical progesterone (5–10 mg)	42–650		
<b>Testosterone (pg/ml)</b>		All Ages	44–148	50–200	
		Ages 16–30	72–148		
		Ages 31–50	58–120		
		Ages 51–70	44–94		
		Ages >70	30–77		
	<b>Supplement (12–24 Hrs.)</b>	AndroGel* (25–50 mg)	1300–3700		
		Topical Testosterone (5–10 mg)	115–800	200–500	
<b>DHEA-S (ng/ml)</b>		All Ages	2–23	3–10	
		Ages 16–30	7–23		
		Ages 31–45	6–18		
		Ages 46–60	4–11.5		
		Ages 61–75	2.4–7.5		
	<b>Supplement (12–24 Hrs.)</b>	Oral DHEA (25 mg)	6–17		
		Topical DHEA (10 mg)	4–15		
<b>Estrone (pg/ml)</b>			0–3	0–3	
<b>Estriol (pg/ml)</b>			0–3	0–3	
<b>WOMEN AND MEN</b>					
<b>Cortisol (ng/ml)</b>	<b>C1</b>	Morning	3.7–9.5	3–8	
	<b>C2</b>	Noon	1.2–3	2–4	
	<b>C3</b>	Evening	0.6–1.9	1–2	
	<b>C4</b>	Night	0.4–1	0.5–1.5	

\* Other names and brands may be claimed as the property of others.