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Date of Birth : 20-Feb-1976  
Sex : M  
Collected : 19/May/2020  
Received: 21/May/2020  
31/154 CURRUMBIN CREEK ROAD  
CURRUMBIN WATERS QLD 4223  
Lab id : **3668609** UR#: 6051612

HERB BAR  
1/39 WAGAWN STREET  
TUGUN QLD 4224

## ENDOCRINOLOGY SALIVA

SALIVA

Result Range Units

### Male Hormone Profile-Extensive

DHEAS.	23.1	5.0 - 30.0	nmol/L	
Androstenedione...	<b>0.95 *H</b>	0.07 - 0.53	nmol/L	
Testosterone.	473.1	100.0 - 720.0	pmol/L	
Salivary DHT	3.7	2.0 - 10.0	pg/mL	
Estradiol (E2)	<b>10.5 *H</b>	1.0 - 6.0	pmol/L	
Estrone (E1)	<b>43.7 *H</b>	7.7 - 40.0	pmol/L	
Testosterone/DHT Ratio	127.9	10.0 - 350.0	RATIO	
Androstenedione/E1 Ratio	<b>0.02 *L</b>	0.05 - 1.10	RATIO	

(\*) Result outside normal reference range

(H) Result is above upper limit of reference rang (L) Result is below lower limit of reference range





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### Saliva Hormone Comments

TABLE 1: SALIVARY HORMONE REFERENCE RANGES: (NOT ON HRT - BASELINE)

	E2	E1	E3	Progesterone	DHEAS
<b>FEMALE</b>					
Pre/menarcheal				44-195	
Follicular	<18	9.5-40	7.7-49	<320	
Mid-Cycle	11-29	9.5-40	7.7-49	-	
Luteal	<18	9.5-40	7.7-49	320-1998	
Post Men.	<6	9.5-40	9.0-62	<213	<6.5
Premenopausal, no oral contraceptives					2.5-25.0
Premenopausal, with oral contraceptives					2.0-8.0
<b>MALE</b>	<6	7.7-40	6.6-38	<213	5.0-30.0

TABLE 2: TARGET REFERENCE RANGES: (ON HRT - 24 to 48 hr post last dose)

	E2	E1	E3	Progesterone	Testosterone Age Dpndt
Oral	7-73	-	69-139	320-1998	
Patch	4-18	-	-	-	
Cream/Gel	37-184	-	1040-1734	3180-15000	F: 277-867 M: 347-1734

\*\*\* PLEASE NOTE NEW SALIVA HORMONES REFERENCE RANGES \*\*\*

**SALIVA ESTRONE (E1)** is produced primarily from androstenedione originating from the gonads or the adrenal cortex. In premenopausal women, more than 50% of the E1 is secreted by the ovaries. In prepubertal children, men and non-supplemented postmenopausal women, the major portion of E1 is derived from peripheral tissue conversion of androstenedione. Interconversion of E1 and E2 also occurs in peripheral tissue. Bioassay data indicate that the estrogenic action is much less than E2. E1 is a primary estrogenic component of several pharmaceutical preparations, including those containing conjugated and esterified estrogens. In premenopausal women E1 levels generally parallel those of E2. After menopause E1 levels increase, possibly due to increased conversion of androstenedione to E1.

#### ELEVATED ESTRONE (E1) LEVEL:

Saliva E1 level is elevated for a male and suggestive of aromatisation of androgens to estrogens. Suggest using 5% transdermal Chrysin and / or 50mg Zinc.

#### ELEVATED E2 LEVEL:

Saliva E2 level is elevated for a male and suggestive of aromatisation of androgens to estrogens. Suggest using 5% transdermal Chrysin and / or 50mg Zinc.

**SALIVA DHEAs** level is adequate and within range.

**SALIVA FREE TESTOSTERONE** level is above the mean reference range and essentially adequate.

Tests ordered: 1008

(\*) Result outside normal reference range

(H) Result is above upper limit of reference rang (L) Result is below lower limit of reference range