

## TEST CHANGE

### Hirsutism Evaluation Panel

2001763, HIRSUTISM

#### Specimen Requirements:

Patient Preparation: Collect between 6-10 a.m.

Collect: Serum separator tube.

Specimen Preparation: Separate serum from cells ASAP or within 2 hours of collection. Transfer 2.5 mL serum or plasma to an ARUP Standard Transport Tube. (Min: 1.5 mL)

Transport Temperature: Frozen.

Unacceptable Conditions: Hemolyzed specimens.

#### Remarks:

Stability: After separation from cells: Ambient: 2 hours; Refrigerated: 48 hours; Frozen: 2 months

Methodology: Quantitative Chemiluminescent Immunoassay  
(CLIA)/Electrochemiluminescent Immunoassay  
(ECLIA)/Liquid Chromatography-Tandem Mass Spectrometry

Performed: Sun-Sat-Tue-Fri

Reported: 1-54 days

#### Note:

CPT Codes: 82157; 82627; 84403; 84270

New York DOH Approval Status: This test is New York DOH approved.

#### Interpretive Data:

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

#### Reference Interval:

Test Number	Components	Reference Interval		
	DHEAS			
		Age	Male (ug/dL)	Female (ug/dL)
		0-6 days	108-607	108-607
		7-30 days	32-431	32-431
		1-5 months	3-124	3-124
		6-35 months	0-33	0-29
		3-6 years	0-44	0-47
		7-9 years	5-115	5-94
		10-14 years	22-332	22-255
		15-19 years	88-483	63-373
		20-24 years	211-492	148-407
		25-34 years	160-449	99-340
		35-44 years	89-427	61-337
		45-54 years	44-331	35-256
		55-64 years	52-295	19-205
		65-74 years	34-249	9-246
		75 years and older	16-123	12-154
		Tanner Stage I	7-209	7-126
		Tanner Stage II	28-260	13-241
		Tanner Stage III	39-390	32-446
		Tanner Stage IV & V	81-488	65-371
	Testosterone by Mass Spec			

		Age	Male (ng/dL)	Female (ng/dL)
		Premature (26-28 weeks)	59-125	5-16
		Premature (31-35 weeks)	37-198	5-22
		Newborn	75-400	20-64
		1-5 months	14-363	Less than 20
		6-24 months	Less than 37	Less than 9
		2-3 years	Less than 15	Less than 20
		4-5 years	Less than 19	Less than 30
		6-7 years	Less than 13	Less than 7
		8-9 years	2-8	1-11
		10-11 years	2-165	3-32
		12-13 years	3-619	6-50
		14-15 years	31-733	6-52
		16-17 years	158-826	9-58
		18-39 years	300-1080	9-55
		40-59 years	300-890	9-55
		60 years and older	300-720	5-32
		Premenopausal (18 years and older)	Not Applicable	9-55
		Postmenopausal	Not Applicable	5-32
		Tanner Stage I	2-15	2-17
		Tanner Stage II	3-303	5-40
		Tanner Stage III	10-851	10-63
		Tanner Stage IV-V	162-847	11-62
Testosterone, Free by Mass Spec				

		Age	Male (pg/mL)	Female (pg/mL)	
		1-6 years	Less than 0.6	Less than 0.6	
		7-9 years	0.1-0.9	0.6-1.8	
		10-11	0.1-6.3	0.1-3.5	
		12-13	0.5-98.0	0.9-6.8	
		14-15	3-138.0	1.2-7.5	
		16-17	38.0-173.0	1.2-9.9	
		18 years and older	47-244	Not Applicable	
		18-30	Not Applicable	0.8-7.4	
		31-40	Not Applicable	1.3-9.2	
		41-51	Not Applicable	1.1-5.8	
		Postmenopausal	Not Applicable	0.6-3.8	
		Tanner Stage I	Less than or equal to 3.7	Less than 2.2	
		Tanner Stage II	0.3-21	0.4-4.5	
		Tanner Stage III	1.0-98.0	1.3-7.5	
		Tanner Stage IV	35.0-169.0	1.1-15.5	
		Tanner Stage V	41.0-239.0	0.8-9.2	
Sex Hormone Binding Globulin					
		Age	Male (nmol/L)	Female (nmol/L)	
		1-30 days	13-85	14-60	
		31-364 days	70-250	60-215	
		1-3 years	50-180	60-190	
		4-6 years	45-175	55-170	
		7-9 years	28-190	35-170	
		10-12 years	23-160	17-155	
		13-15 years	13-140	11-120	
		16-17 years	10-60	19-145	
		18-49 years	17-56	25-122	
		50 years and older	19-76	17-125	
		Tanner Stage I	26-186	30-173	
		Tanner Stage II	22-169	16-127	
		Tanner Stage III	13-104	12-98	
		Tanner Stage IV	11-60	14-151	
		Tanner Stage V	11-71	23-165	
		Androstenedione by TMS			

Age	Male (ng/mL)	Female (ng/mL)
Premature Infants (26-28 weeks Day 4)	0.92-2.82	0.92-2.82
Premature Infants (31-35 weeks Day 4)	0.80-4.46	0.80-4.46
Full Term Infants (1-7 days)	0.20-2.90	0.20-2.90
8-30 days	0.18-0.80	0.18-0.80
1-5 months	0.06-0.68	0.06-0.68
6-24 months	0.03-0.15	Less than 0.15
2-3 years	Less than 0.11	Less than 0.16
4-5 years	0.02-0.17	0.02-0.21
6-7 years	0.01-0.29	0.02-0.28
8-9 years	0.03-0.30	0.04-0.42
10-11 years	0.07-0.39	0.09-1.23
12-13 years	0.10-0.64	0.24-1.73
14-15 years	0.18-0.94	0.39-2.00
16-17 years	0.30-1.13	0.35-2.12
18-39 years	0.33-1.34	0.26-2.14
40 years and older	0.23-0.89	0.13-0.82
Premenopausal	Not Applicable	0.26-2.14
Postmenopausal	Not Applicable	0.13-0.82
Tanner Stage I	0.04-0.32	0.05-0.51
Tanner Stage II	0.08-0.48	0.15-1.37
Tanner Stage III	0.14-0.87	0.37-2.24
Tanner Stage IV-V	0.27-1.07	0.35-2.05

