

TEST CHANGE

Hirsutism Evaluation Panel

2001763, HIRSUTISM

Specimen Requirements:

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

Collect: Serum separator tube, or serum from plain red-

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

Reported: 1-5 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 |

