MAYO CLINIC
Mayo Medical Laboratories

LABORATORY SERVICE REPORT

1-800-533-1710

| PATIENT NAME | PATIENT NUMBER | AGE | SEX | ACCESSION # |
|---|---|---|---|---|
| TESTING, 91165 | L3MRNW4124796 | 43 | | W4124796 |

| ORDERING PHYSICIAN | CLIENT ORDER # | ACCOUNT # |
|---|---|---|
| | | LIAISONS |

| COLLECTION DATE TIME | RECEIVED DATE TIME | REPORT PRINTED DATE TIME | SPECIMEN INFORMATION |
|---|---|---|---|
| 08/05/11 12:21 P | 08/05/11 12:21 P | 08/05/11 01:58 P | DATE OF BIRTH: 8/13/1967 |

Test Client
Attn: Mayo Liaisons
200 First Street SW
Rochester, MN 55905
507-284-8202

| TEST REQUESTED | HI LO | | REF RANGE | PERFORM SITE * |
|---|---|---|---|---|
| **CAH Profile 5** | | | | **REPORTED: 08/05/11 12:40 P** |
| **Cortisol** | **19** | **ug/dL** | | **REF** |

```
-- EXPECTED VALUES --
    Age                        Range
Premature (26-28w) Day 4   1.0-11
Premature (31-35w) Day 4   2.5-9.1
Full Term Day 3            1.7-14
Full Term Day 7            2.0-11
31d - 11m                  2.8-23
12m - 15y (8:00 AM)        3.0-21
Adults
  8:00 AM                  8.0-19
  4:00 PM                  4.0-11
```

| | | | | |
|---|---|---|---|---|
| **Dehydroepiandrosterone (DHEA)** | **400** | **ng/dL** | | **REF** |

```
-- EXPECTED VALUES --
Age              Range
1 - 5y:          <68
6 - 7y:          <111
8 - 10y:         <186
11 - 12y:        <202
13 - 14y:        <319
15 - 16y:        39 - 481
17 - 19y:        40 - 491
20 - 49y:        31 - 701
> or = 50y:      21 - 402
```

| | | | | |
|---|---|---|---|---|
| **17-OH Pregnenolone** | **357** | **ng/dL** | | **REF** |

```
-- EXPECTED VALUES --
       Age                  Range
Premature (26-28w) Day 4  375-3559
Premature (31-35w) Day 4   64-2380
```

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| 3 Days | | 10- 829 | | |
| 1 - 5m | | 36- 763 | | |
| 6 - 11m | | 42- 540 | | |
| 12 - 23m | | 14- 207 | | |
| 24m - 5y | | 10- 103 | | |
| 6 - 9y | | 10- 186 | | |
| Pubertal | | 44- 235 | | |
| Adults | | 53- 357 | | |
| **Progesterone** | **11** | **ng/dL** | | **REF** |

```
-- EXPECTED VALUES --
Males:
   Age        Range
1 - 16y     <10 - 15
Adults      <10 - 11
Females:
   Age        Range
1 - 10y     <10 -   26
  11y       <10 -  255
  12y       <10 -  856
  13y       <10 -  693
  14y       <10 - 1204
  15y       <10 - 1076
  16y       <10 - 1294
Adult
Cycle Days      Range
   1 -  6    <10 -   17
   7 - 12    <10 -  135
  13 - 15    <10 - 1563
  16 - 28    <10 - 2555
Post Menopausal  <10
Note: Luteal progesterone peaked
from 350 to 3750 ng/dL on days
```

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| ranging from 17 to 23. | | | | |
| **17-Alpha-Hydroxyprogesterone** | **199** | **ng/dL** | | **REF** |

```
-- EXPECTED VALUES --
Male/Female
   Age                        Range
Premature (26-28w) Day 4    124-841
Premature (31-35w) Day 4     26-568
Full term Day 3             <78
Males: Levels increase after the
first week to peak values ranging
from 40-200 between 30 and 60
days. Values then decline to a
prepubertal value of <91 before
one year.
Male Prepubertal            <91
Male
Tanner Stages   Age(years) Range
    1           <9.8       <91
    2           9.8-14.5   <116
    3          10.7-15.4   10-138
    4          11.8-16.2   29-180
    5          12.8-17.3   24-175
Adult Males               27-199
Females
  1 - 11m                  13-106
  Prepubertal             <91
Female
Tanner Stages   Age(years) Range
    1           <9.2       <83
    2           9.2-13.7   11-98
    3          10.0-14.4   11-155
```

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| 4 | 10.7-15.6 | 18-230 | | |
| 5 | 11.8-18.6 | 20-265 | | |
| Adult Females | | | | |
| Follicular | | 15- 70 | | |
| Luteal | | 35-290 | | |
| **Androstenedione** | **186** | | **ng/dL** | **REF** |
| -- EXPECTED VALUES -- | | | | |
| Male/Female: | | | | |
| Age | | Range | | |
| Premature (26-28w) Day 4 | | 63-935 | | |
| Premature (31-35w) Day 4 | | 50-449 | | |
| Full Term (1-7 days) | | <10-279 | | |
| Levels decrease rapidly to <52 ng/dL after one week. | | | | |
| 1 - 11m | | <10-37 | | |
| Androstenedione gradually decreases during the first six months to prepubertal levels. | | | | |
| Prepubertal Children | | <10-17 | | |
| Adult Males | | 44-186 | | |
| Adult Females | | 28-230 | | |
| Females Postmenopausal | | <10-93 | | |
| Females | | | | |
| Tanner Stages | Age(years) | Range | | |
| 1 | <9.2 | <10-17 | | |
| 2 | 9.2-13.7 | <10-72 | | |
| 3 | 10.0-14.4 | 50-170 | | |
| 4 | 10.7-15.6 | 47-208 | | |
| 5 | 11.8-18.6 | 50-224 | | |
| Males | | | | |
| Tanner Stages | Age(years) | Range | | |
| 1 | <9.8 | <10-17 | | |

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```
        2          9.8-14.5  <10-33
        3         10.7-15.4   17-72
        4         11.8-16.2   15-115
        5         12.8-17.3   33-192
```

| | | | |
|---|---|---|---|
| **Testosterone, Serum (Total)** | **44** | **ng/dL** | **REF** |

```
   -- EXPECTED VALUES --
              Age                Range
   Males-
    Premature (26-28w) Day 4    59-125
    Premature (31-35w) Day 4    37-198
    Newborns                    75-400
   1-7m: Levels decrease rapidly the
   first week to 20-50, then increase
   to 60-400 between 20-60 days.
   Levels then decline to prepubertal
   range levels of <2.5-10 by seven
   months.
   Prepubertal Males:          <2.5-10
   Tanner Stage   Age(years)    Range
       1          <9.8        <2.5-10
       2           9.8-14.5    18-150
       3         10.7-15.4    100-320
       4         11.8-16.2    200-620
       5         12.8-17.3    350-970
   Adult Males   >18 years    350-1030
   Females-
    Premature (26-28w) Day 4     5-16
    Premature (31-35w) Day 4     5-22
    Newborns                    20-64
   1-7m: Levels decrease during the
   first month to less than 10 and
```

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```
remain there until puberty.
Prepubertal Females:        <2.5-10
Tanner Stage   Age(years)    Range
    1           <9.2        <2.5-10
    2          9.2-13.7       7-28
    3         10.0-14.4      15-35
    4         10.7-15.6      13-32
    5         11.8-18.6      20-38
Adult Females-
 Premenopausal               10-55
 Postmenopausal               7-40
Test Performed by:Esoterix Endocrinology
                  4301 Lost Hills Road
                  Calabasas Hills, CA 91301
```

* PERFORMING SITE

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