MAYO CLINIC
Mayo Medical Laboratories

TEST DEFINITION

8/5/2011

ORDER CODE	EFF DATE	TC	TITLE	CHECKING NORMALS	PRINT NORMALS (# CODED)	PERFORM SITE *
91196	8/4/2011		CAH PROFILE 6			

UNIT CODE ALWAYS MESSAGE - [ZENDON]
TEST PERFORMED BY:ESOTERIX ENDOCRINOLOGY
4301 LOST HILLS ROAD
CALABASAS HILLS, CA 91301
TRANSPORT TEMP : FROZEN 30 DAYS\REFRIG NO\AMBIENT NO

20788 ANDROSTENEDIONE
UNITS: NG/DL
NO SEX
ALL AGES : ; #N20788NE
MALE
ALL AGES : ; #N20788M
FEMALE
ALL AGES : ; #N20788F

- - - - -

20782 CORTISOL
UNITS: UG/DL
NO SEX
ALL AGES : ; #N20782
MALE
ALL AGES : ; #N20782
FEMALE
ALL AGES : ; #N20782

- - - - -

20843 DEOXYCORTICOSTERONE (DOC)
UNITS: NG/DL
NO SEX
ALL AGES : ; #N20843

ORDER CODE	EFF DATE	TC	TITLE	CHECKING NORMALS	PRINT NORMALS (# CODED)	PERFORM SITE *

91196 (CONTINUED)

20843 DEOXYCORTICOSTERONE (DOC) (CONTINUED)
MALE
ALL AGES : ; #N20843
FEMALE

```
                 All Ages :                          ; #N20843
            -  -  -  -  -
      20787   Dehydroepiandrosterone (DHEA)
                 Units: ng/dL
                    NO SEX
                 All Ages :                          ; #N20787C
                    MALE
                 All Ages :                          ; #N20787C
                    FEMALE
                 All Ages :                          ; #N20787C
            -  -  -  -  -
      20844   11-Desoxycortisol
                 Units: ng/dL
                    NO SEX
                 All Ages :                          ; #N20844
                    MALE
                 All Ages :                          ; #N20844
                    FEMALE
                 All Ages :                          ; #N20844
            -  -  -  -  -
      20784   17-OH Pregnenolone
                 Units: ng/dL
                    NO SEX
                 All Ages :                          ; #N20784NE
                    MALE
                 All Ages :                          ; #N20784NE
                    FEMALE
                 All Ages :                          ; #N20784NE
            -  -  -  -  -
      20786   Progesterone
                 Units: ng/dL
                    NO SEX
                 All Ages :                          ; #N20786N
                    MALE
                 All Ages :                          ; #N20786M
                    FEMALE
                 All Ages :                          ; #N20786F
            -  -  -  -  -
      20785   17-Alpha-Hydroxyprogesterone
                 Units: ng/dL
                    NO SEX
                 All Ages :                          ; #N20785C
                    MALE
                 All Ages :                          ; #N20785MC
                    FEMALE
                 All Ages :                          ; #N20785FC


ORDER     EFF                                                          Perform
CODE      DATE   TC    TITLE        Checking Normals          Print normals (# coded)  Site *
------     ----   ----  ----------    ----------------          ----------------------   -------
```

91196 (CONTINUED)

20783 TESTOSTERONE, SERUM (TOTAL)

UNITS: NG/DL

NO SEX

ALL AGES : ; #N91573C

MALE

ALL AGES : ; #N91573M

FEMALE

ALL AGES : ; #N91573F

- - - - -

*PERFORMING SITE LEGEND

*** END OF REPORT ***

MML MESSAGES USED AS NORMALS

CODE TEXT

N20782

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

N20784NE

AGE	RANGE
PREMATURE (26-28W) DAY 4	375-3559
PREMATURE (31-35W) DAY 4	64-2380
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

MML MESSAGES USED AS NORMALS

```
CODE        TEXT
-----       ------------------
N20785C      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
               4         10.7-15.6   18-230
               5         11.8-18.6   20-265
            Adult Females
              Follicular             15- 70
              Luteal                 35-290
--------


MML                                                Messages used as normals


CODE        TEXT
-----       ------------------
N20785FC       Age                    Range
```

Premature (26-28w) Day 4 124-841
Premature (31-35w) Day 4 26-568
Full term Day 3 <78

1 - 11m 13-106
Prepubertal <91

Tanner Stages	Age(years)	Range
1	<9.2	<83
2	9.2-13.7	11-98
3	10.0-14.4	11-155
4	10.7-15.6	18-230
5	11.8-18.6	20-265

Adult Females
Follicular 15- 70
Luteal 35-290

N20785MC 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.

Prepubertal <91

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

MML Messages used as normals

CODE TEXT

N20786F 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 RANGING FROM 17 TO 23.

N20786M MALES

AGE	RANGE
1 - 16Y	<10 - 15
ADULTS	<10 - 11

MML MESSAGES USED AS NORMALS

CODE TEXT

N20786N 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 ranging from 17 to 23.

N20787C

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

MML Messages used as normals

CODE TEXT

N20788F

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

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

Adult Females 28-230
Females Postmenopausal <10-93

N20788M

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

Tanner Stages	Age(years)	Range
1	<9.8	<10-17
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
Adult Males		44-186

MML Messages used as normals

CODE TEXT

N20788NE 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
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

N20843

Age	Range
Premature (26-28w) Day 4	20-105
Premature (34-36w) Day 4	28-78

Newborn: Levels are markedly elevated at birth and decrease rapidly during the first week to the range of 7 - 49 as found in older infants.

1 - 11m	7 - 49
Prepubertal Children	2 - 34
Pubertal Children and Adults 8:00 AM	2 - 19

MML Messages used as normals

CODE TEXT

N20844

Age	Range
Premature (26-28w) Day 4	110-1376
Premature (31-35w) Day 4	48- 579
Newborn Day 3	13- 147
1 - 11m	<10- 156
Prepubertal 8:00 AM	20- 155
Pubertal Children and	

MML MESSAGES USED AS NORMALS

CODE TEXT

N91573C

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 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

MML Messages used as normals

CODE TEXT

N91573F Age Range
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 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

N91573M 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

Total of 17 normals codes

*** End of Report ***