MAYO CLINIC
Mayo Medical Laboratories

REFERENCE VALUE CHANGES
NOTIFICATION DATE: May 25, 2010
EFFECTIVE DATE: June 24, 2010

CAH 21-Hydroxylase Profile
#87815

EXPLANATION: Mayo Medical Laboratories will be changing the units of measure for the reference values for test #30040 within this profile. Mayo Medical Laboratories will be changing the pediatric reference values for tests #30041 and #30042 within this profile.

PROFILE INFORMATION:

Unit Code	Reporting Name	Available Separately	Always Performed
30040	Cortisol, S	Yes (order #9369)	Yes
30041	Androstenedione, S	Yes (order #9709)	Yes
30042	17-Hydroxyprogesterone, S	Yes (order #9231)	Yes

#30040, Cortisol, S:

CURRENT REFERENCE VALUES:	NEW REFERENCE VALUES:
5-25 ug/dL (a.m.)	5-25 mcg/dL (a.m.)
2-14 ug/dL (p.m.)	2-14 mcg/dL (p.m.)

#30041, Androstenedione, S:

CURRENT REFERENCE VALUE:			NEW REFERENCE VALUE:		
PEDIATRICS			PEDIATRICS		
Premature infants 26-28 weeks, day 4: 92-282 ng/dL			Premature infants 26-28 weeks, day 4: 92-282 ng/dL		
Premature infants 31-35 weeks, day 4: 80-446 ng/dL			Premature infants 31-35 weeks, day 4: 80-446 ng/dL		
Full-term infants 1-7 days: 20-290 ng/dL			Full-term infants 1-7 days: 20-290 ng/dL		
1 month-1 year: 6-68 ng/dL			1 month-1 year: <69 ng/dL		
Males			**Males**		
Tanner Stages	Age (years)	Reference Range (ng/dL)	Tanner Stages	Age (years)	Reference Range (ng/dL)
Stage I (prepubertal)	<9.8	<15-50	Stage I (prepubertal)	<9.8	<51
Stage II	9.8-14.5	31-65	Stage II	9.8-14.5	31-65
Stage III	10.7-15.4	50-100	Stage III	10.7-15.4	50-100
Stage IV	11.8-16.2	48-140	Stage IV	11.8-16.2	48-140
Stage V	12.8-17.3	65-210	Stage V	12.8-17.3	65-210
Females			**Females**		
Tanner Stages	Age (years)	Reference Range (ng/dL)	Tanner Stages	Age (years)	Reference Range (ng/dL)
Stage I (prepubertal)	<9.2	<15-50	Stage I (prepubertal)	<9.2	<51
Stage II	9.2-13.7	42-100	Stage II	9.2-13.7	42-100
Stage III	10.0-14.4	80-190	Stage III	10.0-14.4	80-190
Stage IV	10.7-15.6	77-225	Stage IV	10.7-15.6	77-225
Stage V	11.8-18.6	80-240	Stage V	11.8-18.6	80-240

#30042, 17-Hydroxyprogesterone, S:

CURRENT REFERENCE VALUE:	NEW REFERENCE VALUE:
Children (0-7 day): <630 ng/dL	Children
Prepubertal males: <110 ng/dL	Preterm infants:
Prepubertal females: <100 ng/dL	Preterm infants may exceed 630 ng/dL,
	however, it is uncommon to see levels
	reach 1,000 ng/dL.
	Term infants:
	0-28 days: <630 ng/dL
	Levels fall from newborn (<630 ng/dL) to
	prepubertal gradually within 6 months.
	Prepubertal males: <110 ng/dL
	Prepubertal females: <100 ng/dL

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager
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