MAYO CLINIC
Mayo Medical Laboratories

REFERENCE VALUE CHANGES
NOTIFICATION DATE: May 18, 2010
EFFECTIVE DATE: June 17, 2010

Pregnenolone and 17-OH Pregnenolone
#88646

EXPLANATION: Mayo Medical Laboratories will be changing the pediatric reference values for test #88646, Pregnenolone and 17-OH Pregnenolone, Serum

CURRENT REFERENCE VALUES FOR TEST #88645, PREGNENOLONE, SERUM:

CHILDREN*

Males

0-6 years: not established
7-9 years: < or = 205 ng/dL
10-12 years: < or = 151 ng/dL
13-15 years: 18-197 ng/dL
16-17 years: 17-228 ng/dL

TANNER STAGES
Stage I: < or = 156 ng/dL
Stage II: < or = 143 ng/dL
Stage III: < or = 214 ng/dL
Stage IV-V: 19-201 ng/dL

Females

0-6 years: not established
7-9 years: < or = 150 ng/dL
10-12 years: 19-220 ng/dL
13-15 years: 22-210 ng/dL
16-17 years: 22-229 ng/dL

TANNER STAGES
Stage I: < or = 171 ng/dL
Stage II: 22-229 ng/dL
Stage III: 34-215 ng/dL
Stage IV-V: 26-235 ng/dL

NEW REFERENCE VALUES FOR TEST #88645, PREGNENOLONE, SERUM:

CHILDREN*

Males

0-6 years: not established
7-9 years: < 206 ng/dL
10-12 years: < 152 ng/dL
13-15 years: 18-197 ng/dL
16-17 years: 17-228 ng/dL

TANNER STAGES
Stage I: < 157 ng/dL
Stage II: < 144 ng/dL
Stage III: < 215 ng/dL
Stage IV-V: 19-201 ng/dL

Females

0-6 years: not established
7-9 years: < 151 ng/dL
10-12 years: 19-220 ng/dL
13-15 years: 22-210 ng/dL
16-17 years: 22-229 ng/dL

TANNER STAGES
Stage I: < 172 ng/dL
Stage II: 22-229 ng/dL
Stage III: 34-215 ng/dL
Stage IV-V: 26-235 ng/dL

NOTE: Patients 0-30 days of age will receive the comment “Newborn levels are increased and similar to Tanner Stage IV-V”.

CURRENT REFERENCE VALUES FOR TEST #81151, 17-OH PREGNENOLONE, SERUM:

CHILDREN*

Males

Premature (26-28 weeks): 1,219- 9,799 ng/dL
Premature (29-36 weeks): 346- 8,911 ng/dL
Full term (1-5 months): 229-3,104 ng/dL
6 months-364 days: 221-1,981 ng/dL
1-2 years: 35-712 ng/dL
3-6 years: < or = 276 ng/dL
7-9 years: < or = 187 ng/dL
10-12 years: < or = 392 ng/dL
13-15 years: 35-465 ng/dL
16-17 years: 32-478 ng/dL

TANNER STAGES
Stage I: < or = 208 ng/dL
Stage II: < or = 355 ng/dL
Stage III: < or = 450 ng/dL
Stage IV-V: 35-478 ng/dL

Females

Premature (26-28 weeks): 1,219- 9,799 ng/dL
Premature (29-36 weeks): 346- 8,911 ng/dL
Full term (1-5 months): 229-3,104 ng/dL
6 months-364 days: 221-1,981 ng/dL
1-2 years: 35-712 ng/dL
3-6 years: < or = 276 ng/dL
7-9 years: < or = 212 ng/dL
10-12 years: < or = 398 ng/dL
13-15 years: < or = 407 ng/dL
16-17 years: < or = 423 ng/dL

TANNER STAGES
Stage I: < or = 235 ng/dL
Stage II: < or = 367 ng/dL
Stage III: < or = 430 ng/dL
Stage IV-V: < or = 412 ng/dL

NEW REFERENCE VALUES FOR TEST #81151, 17-OH PREGNENOLONE, SERUM:

CHILDREN*

Males

Premature (26-28 weeks): 1,219- 9,799 ng/dL
Premature (29-36 weeks): 346- 8,911 ng/dL
Full term (1-5 months): 229-3,104 ng/dL
6 months-364 days: 221-1,981 ng/dL
1-2 years: 35-712 ng/dL
3-6 years: < 277 ng/dL
7-9 years: < 188 ng/dL
10-12 years: < 393 ng/dL
13-15 years: 35-465 ng/dL
16-17 years: 32-478 ng/dL

TANNER STAGES
Stage I: < 209 ng/dL
Stage II: < 356 ng/dL
Stage III: < 451 ng/dL
Stage IV-V: 35-478 ng/dL

Females

Premature (26-28 weeks): 1,219- 9,799 ng/dL
Premature (29-36 weeks): 346- 8,911 ng/dL
Full term (1-5 months): 229-3,104 ng/dL
6 months-364 days: 221-1,981 ng/dL
1-2 years: 35-712 ng/dL
3-6 years: < 277 ng/dL
7-9 years: < 213 ng/dL
10-12 years: < 399 ng/dL
13-15 years: < 408 ng/dL
16-17 years: < 424 ng/dL

TANNER STAGES
Stage I: < 236 ng/dL
Stage II: < 368 ng/dL
Stage III: < 431 ng/dL
Stage IV-V: < 413 ng/dL

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager
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