Test Definition: DHES

Dehydroepiandrosterone Sulfate (DHEA-S), Serum

Reporting Title: Dehydroepiandrosterone Sulfate, S
Performing Location: New England

Specimen Requirements:

Container/Tube:
Preferred: Red top
Acceptable: Serum gel
Specimen Volume: 0.8 mL

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	7 days
	Frozen	60 days

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
DHES	Dehydroepiandrosterone Sulfate, S	Numeric	mcg/dL	2191-5

CPT Code: 1 × 82627

Reference Values:

MALES
1-14 days: DHEA-S levels in newborns are very elevated at birth but will fall to prepubertal levels within a few days.
Tanner Stages*

Mean	Age	Reference Range (mcg/dL)
Stage I	>14 days	<15-120
Stage II	11.5 years	<15-333
Stage III	13.6 years	<15-312
Stage IV	15.1 years	29-412
Stage V	18.0 years	89-457

*Puberty onset (transition from Tanner stage I to Tanner stage II) occurs for boys at a median age of 11.5 (+/-) 2 years. For boys, there is no proven relationship between puberty onset and body weight or ethnic origin. Progression through Tanner stages is variable. Tanner stage V (adult) is usually reached by age 18.

18-29 years: 89-457 mcg/dL
30-39 years: 65-334 mcg/dL
40-49 years: 48-244 mcg/dL
50-59 years: 35-179 mcg/dL
> or =60 years: 25-131 mcg/dL

FEMALES
1-14 days: DHEA-S levels in newborns are very elevated at birth but fall to prepubertal levels within a few days.
Tanner Stages*

Mean	Age	Reference Range (mcg/dL)
Stage I	>14 days	16-96
Stage II	10.5 years	22-184
Stage III	11.6 years	<15-296
Stage IV	12.3 years	17-343
Stage V	14.5 years	44-332

*Puberty onset (transition from Tanner stage I to Tanner stage II) occurs for girls at a median age of 10.5 (+/-) 2 years. There is evidence that it may occur up to 1 year earlier in obese girls and in African American girls. Progression through Tanner stages is variable. Tanner stage V (adult) is usually reached by age 18.
18-29 years: 44-332 mcg/dL
30-39 years: 31-228 mcg/dL
40-49 years: 18-244 mcg/dL
50-59 years: <15-200 mcg/dL
> or =60 years: <15-157 mcg/dL