

Reporting Title: Dehydroepiandrosterone Sulfate, S
Performing Location: Mayo Clinic Jacksonville Clinical Lab

Specimen Requirements:
Supplies: Sarstedt Aliquot Tube, 5 mL (T914)
Collection Container/Tube:
Preferred: Serum gel
Acceptable: Red top
Submission Container/Tube: Plastic vial
Specimen Volume: 0.6 mL
Collection Instructions: Centrifuge and aliquot serum into a plastic vial.

Forms:
If not ordering electronically, complete, print, and send a [General Request](#) (T239) with the specimen.

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	14 days	
	Ambient	7 days	
	Frozen	30 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
DHES1	Dehydroepiandrosterone Sulfate, S	Numeric	mcg/dL	2191-5

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:
No

CPT Code Information:
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	11-120
Stage II	11.5 years	14-323
Stage III	13.6 years	5.5-312
Stage IV	15.1 years	29-412
Stage V	18.0 years	104-468

*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.

18-30 years: 105-728 mcg/dL

31-40 years: 57-522 mcg/dL

41-50 years: 34-395 mcg/dL

51-60 years: 20-299mcg/dL

61-70 years: 12-227 mcg/dL

> or =71 years: 6.6-162 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	11-296
Stage IV	12.3 years	17-343
Stage V	14.5 years	57-395

*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.

18-30 years: 83-377 mcg/dL

31-40 years: 45-295 mcg/dL

41-50 years: 27-240 mcg/dL

51-60 years: 16-195 mcg/dL

61-70 years: 9.7-159

> or =71 years: 5.3-124 mcg/dL