

Reporting Title: Dehydroepiandrosterone Sulfate, S

Performing Location: Rochester

Specimen Requirements:

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 | |
| | Frozen | 30 days | |
| | Ambient | 7 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