

Overview**Method Name**

Enzyme-Linked Immunosorbent Assay (ELISA)

NY State Available

Yes

Specimen**Specimen Type**

Serum

Specimen Required**Specimen Type:** Serum**Container/Tube:** Red or SST**Specimen Volume:** 1 mL**Collection Instructions:** Draw blood in a plain red-top tube(s), serum gel tube(s) is acceptable. Spin down and send 1 mL of serum frozen in a plastic vial.**Note:** EDTA (lavender-top) plasma is an acceptable alternate.**Reject Due To**

Hemolysis	NA
Lipemia	NA
Icterus	NA
Other	NA

Specimen Minimum Volume

0.5 mLNOTE: Minimum volume does not allow for repeat analysis.

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Serum	Frozen (preferred)	200 days	
	Ambient		

	Refrigerated		
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Clinical & Interpretive

Reference Values

Units: ng/mL

Female Ranges <20 by Body Mass Index (BMI)

BMI	Tanner Stage 1-2	Tanner Stage 3-4	Tanner Stage 5
11	0.3-1.5	0.4-1.3	0.7-2.7
12	0.4-1.9	0.5-1.6	0.8-3.2
13	0.5-2.4	0.7-2.1	0.9-3.7
14	0.6-3.1	0.8-2.6	1.0-4.3
15	0.8-3.9	1.1-3.3	1.2-5.0
16	1.1-5.0	1.3-4.2	1.4-5.8
17	1.4-6.5	1.7-5.3	1.6-6.7
18	1.7-8.3	2.1-6.7	1.9-7.8
19	2.2-10.7	2.7-8.5	2.2-9.1
20	2.9-13.7	3.4-10.7	2.6-10.5
21	3.7-17.6	4.3-13.6	3.0-12.3
22	4.7-22.6	5.5-17.2	3.5-14.2
23	6.0-29.0	6.9-21.8	4.0-16.6
24	7.8-37.2	8.8-27.6	4.7-19.3
25	10.0-47.8	11.1-34.9	5.5-22.4
26	12.8-61.4	14.0-44.2	6.4-26.0

27	16.4-78.8	17.7-56.0	7.4-30.3
28	21.5-101.0	22.5-70.9	8.6-35.2
29	27.0-130.0	28.4-89.7	10.0-40.9
30		36.0-114.0	36.0-114.0
31		45.6-144.0	13.5-55.3
32		57.7-144.0	15.7-64.4
33			18.3-74.9
34			21.2-87.0
35			24.7-101.0
36			28.7-118.0
37			33.4-137.0

Male Ranges <20 by Body Mass Index (BMI)

BMI	Tanner Stage 1-2	Tanner Stage 3-4	Tanner Stage 5
11	0.1-0.7	0.1-0.6	0.1-0.5
12	0.2-0.9	0.1-0.7	0.1-0.5
13	0.2-1.2	0.1-0.9	0.1-0.6
14	0.3-1.6	0.1-1.1	0.1-0.7
15	0.4-2.0	0.1-1.3	0.1-0.8
16	0.5-2.7	0.2-1.6	0.1-1.0
17	0.6-3.5	0.2-2.0	0.1-1.1
18	0.8-4.6	0.2-2.5	0.2-1.3
19	1.0-6.0	0.3-3.0	0.2-1.5

20	1.4-7.9	0.3-3.7	0.2-1.7
21	1.8-10.4	0.4-4.6	0.2-2.0
22	2.3-13.6	0.5-5.6	0.3-2.3
23	3.1-17.8	0.6-6.9	0.3-2.7
24	4.0-23.3	0.8-8.5	0.4-3.1
25	5.2-30.6	1.0-10.5	0.4-3.6
26	6.9-40.1	1.2-12.9	0.5-4.2
27	9.0-52.5	1.5-15.8	0.6-4.8
28	11.8-68.9	1.8-19.4	0.6-5.6
29	15.5-90.3	2.2-23.9	0.7-6.5
30	20.3-118.0	2.7-29.4	0.9-7.5
31		3.3-36.2	1.0-8.7
32		4.1-44.5	1.2-10.0
33		5.0-54.7	1.3-11.6
34		6.2-67.2	1.5-13.4
35		7.6-82.6	1.8-15.6
36		9.4-101.0	2.1-18.0
37		11.5-124.0	2.4-20.8
38			2.8-24.1
39			3.2-27.9
40			3.7-32.3

Female Ranges >19 by Body Mass Index (BMI)

BMI	Range	BMI	Range
11	0.7-3.6	24	4.4-24.2
12	0.8-4.2	25	5.1-28.0
13	0.9-4.8	26	5.9-32.4
14	1.0-5.6	27	6.8-37.5
15	1.2-6.5	28	7.9-43.5
16	1.4-7.5	29	9.1-50.4
17	1.6-8.7	30	10.6-58.3
18	1.8-10.0	31	12.2-67.5
19	2.1-11.6	32	14.1-78.2
20	2.4-13.4	33	16.4-90.5
21	2.8-15.6	34	19.0-105.0
22	3.3-18.0	35	22.0-121.0
23	3.8-20.9	36	25.4-141.0

Male Ranges >19 by Body Mass Index (BMI)

BMI	Range	BMI	Range
11	0.1-0.4	25	1.1-9.6
12	0.1-0.4	26	1.3-12.0
13	0.1-0.7	27	1.6-14.9
14	0.1-0.9	28	2.0-18.6
15	0.1-1.1	29	2.5-23.2
16	0.2-1.3	30	3.2-28.9

17	0.2-1.7	31	3.9-36.0
18	0.2-2.1	32	3.9-36.0
19	0.3-2.6	33	6.1-55.8
20	0.4-3.2	34	7.6-69.6
21	0.4-4.0	35	9.5-86.7
22	0.5-5.0	36	11.8-108.0
23	0.8-6.2	37	14.8-135.0
24	0.9-7.7		

Performance

PDF Report

No

Performing Laboratory Location

Esoterix Endocrinology

Fees & Codes

Test Classification

Results of this test are for research purposes only per the assay manufacturer. The performance characteristics of this assay have not been established. The result should not be used as a diagnostic procedure without confirmation of the diagnosis by another medically established diagnostic product or procedure.

CPT Code Information

83520

LOINC® Information

Test ID	Test Order Name	Order LOINC Value
FLEP	Leptin	21365-2

Result ID	Reporting Name	LOINC®
Z0262	Leptin	21365-2