



Laboratory Service Manual

Lab Dept: Chemistry

Test Name: PROGESTERONE

General Information

Lab Order Codes: PROG

Synonyms: N/A

CPT Codes: 84144 - Progesterone

Test Includes: N/A

Logistics

Test Indications: A female sex hormone, serum progesterone is used to confirm the occurrence of ovulation and to assess corpus luteum function.

Lab Testing Sections: Chemistry - Sendouts

Referred to: Esoterix, Inc (Test# 500266)

Phone Numbers:

Minneapolis: 612-813-6280

Saint Paul: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 2 - 5 days, test set up Monday and Wednesday - Friday

Special Instructions: N/A

Specimen

Specimen Type: Whole blood

Container: Red top (plain, no gel) tube

Draw Volume: 3.0 mL (Minimum: 1.0 mL) blood

Processed Volume: 1.0 mL (Minimum: 0.3 mL) serum

Note: Submission of the minimum does not permit repeat analysis



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Collection:	Routine venipuncture
Special Processing:	Lab Staff: Centrifuge specimen within 1 hour of collection. Remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at frozen temperatures. Forward promptly.
Patient Preparation:	None
Sample Rejection:	N/A

Interpretive

Reference Range:

Premature Infants:



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26 - 28 Weeks, Day 4:		18 - 640 ng/dL		
31-35 Weeks, Day 4:		84 - 1360 ng/dL		
Full term Infants:				
1 - 7 Days: Progesterone levels are markedly elevated in the neonate but fall rapidly to reach prepubertal levels of 7 – 52 by seven days where they remain until puberty.				
Prepubertal Children:				
1 - 10 Years:		7 - 52 ng/dL		
Puberty:				
Tanner Stage	Male		Female	
	Age (years)	Range (ng/dL)	Age (years)	Range (ng/dL)
1	<9.8	<10 - 33	<9.2	<10 - 33
2	9.8 - 14.5	<10 - 33	9.2 - 13.7	<10 - 55
3	10.7 - 15.4	<10 - 48	10.0 - 14.4	10 - 450
4	11.8 - 16.2	10 - 108	10.7 - 15.6	10 - 1300
5	12.8 - 17.3	21 - 82	11.8 - 18.6	10 - 950
Adults:				
Male		Female		
13 - 97 ng/dL		15 - 70 ng/dL (Follicular)		
		200 - 2500 ng/dL (Luteal)		

Critical Values: N/A

Limitations: Progesterone assay is not available quickly in many areas of the U.S. Beta hCG titers are a more popular analyte for pregnancy screening

Methodology: Radioimmunoassay (RIA) after selective solvent extraction

Contraindications: N/A



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References:

Esoterix, Inc. (2003) Expected Value and S.I. Unit Conversion Table
0603-0614-PC-5M

Esoterix Laboratories Web Page www.esoterix.com