MAYO CLINIC
Mayo Medical Laboratories

Test Definition: FCBGC
Cortisol, Free, Serum

Reporting Title: CBG with Free Cortisol
Performing Location: Esoterix Endocrinology

Specimen Requirements:
Draw blood in a plain, red-top tube(s). (Serum gel tube is acceptable.) Spin down and send 1 mL of serum frozen in a plastic vial.

Specimen Type	Temperature	Time
Serum	Frozen (preferred)	30 days
	Ambient	48 hours
	Refrigerated	48 hours

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
Z0270	Corticosteroid Binding Globulin-CBG	Alphanumeric	mg/dL	3033-8
Z0242	Free Cortisol, Serum	Alphanumeric	ug/dL	2145-1
Z0243	Percent Free Cortisol, Serum	Alphanumeric	%	65364-2
Z0244	Cortisol, Serum	Alphanumeric	ug/dL	2143-6

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
Billing only	Transcortin	1	84449		
Billing only	total	1	82533		

Reference Values:

Corticosteroid Binding Globulin (CBG)* (mg/dL)

Age	Range
Pediatric ranges not established.	
Adults	1.7 - 3.1

Free Cortisol, Serum (ug/dL)

Age	Range
Prepubertal Females 8:00 AM 0-9y	0.1-1.2

Prepubertal Males 8:00 AM 0-10y	0.1-1.2
Adults 8:00 AM	0.2-1.8

Percent Free Cortisol, Serum (%)

Age	Range
Prepubertal Females 8:00 AM 0-9y	0.8-3.4
Prepubertal Males 8:00 AM 0-10y	0.8-3.4
Adults 8:00 AM	2.3-9.5

Cortisol, Serum (ug/dL)

Age	Range
Premature (26-28w) Day 4	1.0-11
Premature (31-35w) Day 4	2.5-9.1
Full-term Day 3	1.7-14
Full-term Day 7	2.0-11
31d-11m	2.8-23
12m-15y (8:00 AM)	3.0-21
Adults	
8:00 AM	8.0-19
4:00 PM	4.0-11

Test Performed By: Esoterix Endocrinology
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