

TEST CHANGE

Thyroxine, Free by Equilibrium Dialysis/HPLC-Tandem Mass Spectrometry

0093244, FT4 ED-TMS

Specimen Requirements:

Patient Preparation:

Collect: Plain ~~r~~Red or serum separator tube~~Serum Separator Tube~~ (SST).

Specimen Preparation: Separate from cells or gel ASAP or within 2 hours of collection. Transfer 2 mL serum to an ARUP Standard Transport Tube. (Min: 0.3 mL)

Transport Temperature: Refrigerated.

Unacceptable Conditions: Plasma.

Remarks:

Stability: After separation from cells: Ambient: 4 days; Refrigerated: 2 weeks; Frozen: 1 month

Methodology: Quantitative Equilibrium Dialysis/High Performance Liquid Chromatography-Tandem Mass Spectrometry

Performed: Sun, Tue, Thu

Reported: 2-~~6~~5 days

Note:

CPT Codes: 84439

New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

Some medications may induce transient changes in FT4 concentrations. This test is not recommended for patients currently on heparin treatment as FT4 concentrations may be falsely elevated. ~~This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.~~

Reference Interval:

Effective May 16, 2011

Free Thyroxine ng/dL		
Age	Female	Male
25-30 weeks gestation	0.5-3.3 ng/dL	0.5-3.3 ng/dL
31-36 weeks gestation	1.3-4.7 ng/dL	1.3-4.7 ng/dL
Birth to 1 week	2.2-5.3 ng/dL	2.2-5.3 ng/dL
2-3 weeks	0.9-4.0 ng/dL	0.9-4.0 ng/dL
1-5 months	1.1-2.2 ng/dL	1.1-2.2 ng/dL
6 months-6 years	1.4-2.7 ng/dL	1.4-2.7 ng/dL
7 years-17 years	1.1-2.0 ng/dL	1.1-2.0 ng/dL
18 years and older	1.1-2.4 ng/dL	1.1-2.4 ng/dL
Pregnancy, 1{sp:st} Trimester	0.7-2.0 ng/dL	
Pregnancy, 2{sp:nd} Trimester	0.7-2.1 ng/dL	
Pregnancy, 3{sp:rd} Trimester	0.5-1.6 ng/dL	