

TEST CHANGE

Triiodothyronine, Total and Triiodothyronine, Reverse with Ratio Calculation by Tandem Mass Spectrometry

2008406, T3RT3RATIO

Specimen Requirements:

Patient Preparation:

Collect: Serum separator tube or plain red. Also acceptable: Lavender (EDTA) or pink (K2EDTA).

Specimen Preparation: Allow serum specimen to clot completely at room temperature. Separate serum or plasma from cells ASAP or within two hours of collection. Transfer 2 mL serum or plasma to an ARUP Standard Transport Tube. (Min: 1 mL)

Transport Temperature: Frozen.

Unacceptable Conditions: Grossly hemolyzed specimens.

Remarks:

Stability: After separation from cells: Ambient: 24 hours; Refrigerated: 1 week; Frozen: 3 months

Methodology: Quantitative Liquid Chromatography-Tandem Mass Spectrometry

Performed: Sun-Sat

Reported: 1-54 days

Note:

CPT Codes: 84480; 84482

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

Interpretive Data:

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:

Test Number	Components	Reference Interval		
	Triiodothyronine, Reverse - LC-MS/MS			
		Age	ng/dL	
		0-17 years	Not Applicable	
		18 years and older	9.0-27.0	
	Triiodothyronine, Total - LC-MS/MS			
		Age	ng/dL	
		Cord Blood	14-86	
		0-3 days	96-292	
		4-30 days	62-243	
		1-23 months	81-281	
		2-6 years	83-252	
		7-11 years	92-219	
		12-19 years	83-215	
		20 years and older	80-200	
	Triiodothyronine, Ratio (T3:RT3)			
		Age	Ratio	
		0-17 years	Not Applicable	
		18 years and older	4.2-11.0	