



**Two Thyroid Reflexive Test Offerings:
TSH with Reflex to Free T4
Thyroid Cascade**

Effective July 24, 2023, Laboratory Alliance of Central New York will offer an additional reflex option in our thyroid testing menu: TSH with Reflex to Free T4. Similar to the existing Thyroid Cascade (3 steps), the new test begins with TSH and if abnormal, reflexively orders Free T4 (2 steps).

TSH with Reflex to Free T4	Thyroid Cascade
Step 1: TSH	Step 1: TSH
Step 2: If TSH is abnormal, reflex Free T4	Step 2: If TSH is abnormal, reflex Free T4
	Step 3: If Free T4 is normal, reflex Free T3

Either of these tests offers benefits to our providers as well as to our patients.

- For the provider, reflexive testing simplifies the mechanism to order the correct first test and the subsequent additional test(s) required for follow up of patients with abnormal TSH.
- For the patient, up to three sequential tests can be performed from a single phlebotomy without the need for return visits or additional blood to be drawn for follow-up testing.

Note: If TSH with Reflex to Free T4 is the original order, Free T3 may be added by contacting the laboratory at 315-461-3008 within 2 days of collection.

Assay Details:

Assay	Description	Order Code	CPT Code(s)
TSH with Reflex to Free T4	Battery	TSHR	84443 (If reflexed, 84439)
Thyroid Cascade	Battery	THCS	84443 (If reflexed, 84439 and 84481)

Component Tests:

	TSH Thyroid Stimulating Hormone	Free T4 Free Thyroxine	Free T3 Free Triiodothyronine
Method	Chemiluminescent Immunoassay		
Adult Reference Range	0.550 – 4.780 mIU/mL	0.89 – 1.76 ng/dL	2.3 – 4.2 pg/mL
Specimen Requirements	<ul style="list-style-type: none">• One 5mL gold (SST) top tube (preferred)• Transport 1 mL serum at 2 - 8°C (minimum 0.5 mL)• Lithium heparin or EDTA plasma is also acceptable.		
Specimen Stability	Ambient: 8 hours, Refrigerated: 2 days		
Schedule of Testing	Daily	Daily	Daily, except Sundays

Questions regarding this test may be directed to Cheryl Haskins, MS, MT(ASCP)SC, Chemistry Special Projects Coordinator at 315-410-7014 or cherylhaskins@lacny.com.

cmh, 6/28/2023