

THYROGLOBULIN,  
SERUM/PLASMA

## Orderable - THYRP

Turn Around Time: 5 days

### Alternate Name(s):

Tg

### Specimen:

Adult	Pediatric
5 mL Gold top Vacutainer tube	0-2 years: 0.5 mL Red or Gold top Microtainer 2-10 years: 3 mL Red top Vacutainer tube
Lavender top (EDTA) tubes are also acceptable	
Light Green top (Li-Heparin) tubes are <b>NOT</b> acceptable	

### Collection Information:

Minimum volume of serum or plasma required is 700  $\mu$ L for adult samples or 200  $\mu$ L for pediatric samples.

### Reference Ranges:

<b>Thyroidectomized patients:</b>
< 0.2 $\mu$ g/L
<b>Normal population:</b>
3.5 – 77.0 $\mu$ g/L

### Interpretive Comments:

In the follow-up of thyroidectomized patients, a concentration > 0.2  $\mu$ g/L is suspicious for local or metastatic disease.

In non-thyroidectomized patients, a concentration greater than the reference interval is not diagnostic of cancer.

This assay is to be used to monitor patients who have had thyroidectomy for cancer.



**Laboratory:**  
Core Lab



**Requisition:**  
GENERAL LABORATORY  
REQUISITION



**Method of Analysis:**  
Roche  
Electrochemiluminescence



**Test Schedule:**  
As required

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It is not recommended for use as a screening test for the initial diagnosis of carcinoma of the thyroid.

The presence of anti-thyroglobulin antibodies may cause falsely low (or less likely, falsely high) thyroglobulin measurements.

Measurement of anti-thyroglobulin antibodies is automatically performed with each serum/plasma thyroglobulin test order.

### Comments:

Biotin may interfere with this test. Samples should not be taken from patients receiving high biotin doses (i.e. > 5 mg/day) until at least 8 hours after the last biotin administration.

### Storage and Shipment:

Store and ship serum or plasma frozen.