

TECHNICAL BULLETIN

NEW TEST TEST CHANGE

NOTIFICATION DATE: 04/28/2026

EFFECTIVE DATE: 05/05/2026

Thyroxine Binding Globulin (TBG)

Effective May 05,2026, Northwell Health Laboratories (Core Lab) will perform the **Thyroxine Binding Globulin (TBG)** test improving turnaround time. This test will no longer be referred to LabCorp. There is no change to specimen collection/transportation requirements.

Thyroxine-binding globulin (TBG) is the primary carrier/transport protein for thyroid hormones (T4 and T3) in the bloodstream. Measuring TBG can aid in differentiating true thyroid dysfunction from alterations in thyroid hormone binding, especially when the total thyroid hormone results appear discordant with the patient's clinical presentation, thyroid stimulating hormone (TSH) results or free thyroid hormone results.¹ TBG levels can fluctuate due to factors such as pregnancy, estrogen therapy, genetic variations, etc.

| Test Requirements/ Parameters | New | Current |
|----------------------------------|---|-----------------------------------|
| Performing Laboratory | Northwell Health Laboratories (Core Lab) | LabCorp |
| Specimen Type/Volume | 1 mL of Serum (min 0.5 mL) | 1 mL of Serum (min 0.5 mL) |
| Collection Container / Tube | Gold Top Tube | Gold Top Tube |
| Transport Temperature | Refrigerated | Refrigerated |
| Methodology | Chemiluminescent immunoassay | Immunochemiluminometric assay |
| Reference Interval | 14 – 31 µg/mL | 13 – 39 µg/mL |
| Computer Interface Code | PDM # 5901245 | PDM # 5901245 |
| Test Order | TBG | TBG |
| EPIC Order Name | Thyroxine Binding Globulin | Thyroxine Binding Globulin |

Reference

1. 2016 American Thyroid Association Guidelines for Diagnosis and Management of Hyperthyroidism and Other Causes of Thyrotoxicosis. <https://doi.org/10.1089/thy.2016.0229>

If you have any questions, please contact Client Services at (800) 472-5757.