

Chemistry Testing Update

Effective November 19, 2020

Sex Hormone Binding Globulin and Testosterone Testing Update

Effective November 19, 2020, Wisconsin Diagnostic Laboratories (WDL) will begin offering sex hormone binding globulin as well as free and bioavailable testosterone testing in-house.

Both free and bioavailable testosterone levels are calculated (not measured directly) from the concentrations of total testosterone, albumin, and sex hormone binding globulin. Reference intervals for all three tests will remain identical to those currently in place, as excellent agreement was observed between WDL's method and the current reference laboratory method.

Note that free and bioavailable testosterone calculations are suitable for evaluation of suspected hypogonadism in males but are not recommended for use in females and children. In females and children, direct measurement of free testosterone by LC-MS/MS is preferred and remains available as usual.

Test Information:

| Test Name | Mnemonic | Test Code | Epic Code | CPT Codes | Components |
|----------------------------------|--------------|-----------|-----------|-----------------|--|
| Sex Hormone Binding Globulin | SHBG | 3502530 | 84270.000 | 84270 | |
| Free Testosterone - Calculated | TESTOS FREE | 1504000 | LAB140 | 84402 | <ul style="list-style-type: none"> Total Testosterone Free Testosterone Sex Hormone Binding Globulin |
| Free + Bioavailable Testosterone | TESTOS PANEL | 1504005 | LAB141 | 84403 and 84270 | <ul style="list-style-type: none"> Total Testosterone Free + Bioavailable Testosterone Sex Hormone Binding Globulin |

For Technical Questions or Additional Information, Please Contact:

- Ian Gunsolus, PhD, Co-Director of Clinical Chemistry and Toxicology, 414.805.6972, igunsolus@mcw.edu
- Laura Smy, PhD, MLS, Co-Director of Clinical Chemistry and Toxicology, 414.805.6975, lsmy@mcw.edu

