

This notice reflects an updated effective date of July 2nd, 2024, replacing a previously communicated effective date of June 20th, 2024.

Titanium, Blood

Test ID: TIWB

Useful for:

Detecting and monitoring titanium exposure and potential implant status in patients with orthopedic implants

Methods:

Triple-Quadrupole Inductively Coupled Plasma Mass Spectrometry (ICP-MS/MS)

Reference Values:

0-17 years: Not established

> or =18 years: <2 ng/mL

Specimen Requirements:

Container/Tube: Metal Free B-D Tube (EDTA), 6 mL (T183)

Preferred: Metal Free B-D Tube (EDTA), 6 mL (T183)

Acceptable: The lab will accept specimens received in non-metal free vials, but if results are elevated a qualifier will be added to the report due to the potential for spurious contamination from the non-metal free vial.

Specimen Volume: 1 mL

Collection Instructions: 1, See Metals Analysis Specimen Collection and Transport for complete instructions.

2. Send whole blood specimen in original collection tube. Do not aliquot.

Minimum Volume: 0.3 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Refrigerate (preferred)	Refrigerate (preferred)	28 days

Ambient	Ambient	28 days
Frozen	Frozen	28 days

Cautions:

Titanium is a trace metal commonly used in alloys and readily present in the environment. Thus, contamination of the collection site and of the specimen must be avoided. Failure to use metal-free collection procedures and devices may cause falsely increased results. See Specimen Required for collection and processing information.

CPT Code:

83018

Day(s) Performed: Wednesday

Report Available: 2-8 days

Questions

Contact Rebekah Walsh, Laboratory Resource Coordinator at 800-533-1710.