MAYO
Mayo Medical Laboratories
1-800-533-1710

NEW TEST ANNOUNCEMENT
NOTIFICATION DATE: April 18, 2012
EFFECTIVE DATE: April 24, 2012

TITANIUM, 24 HR, URINE
Test ID: TIU

USEFUL FOR: Monitoring metallic prosthetic implant wear

METHODOLOGY: Inductively Coupled Plasma-Optical Emission Spectrometry (ICP-OES)

REFERENCE VALUES: 0-2 mcg/specimen

SPECIMEN REQUIREMENTS:
Collection Container/Tube: Clean, plastic urine container with no metal cap or glued insert
Submission Container/Tube: Plastic, 10-mL urine tube (Supply T068) or clean, plastic aliquot container with no metal cap or glued insert
Specimen Volume: 10 mL
Collection Instructions:
1. Collect urine for 24 hours.
2. No preservative.
3. See Metals Analysis-Collection and Transport in Special Instructions for complete instructions.
4. Refrigerate specimen within 4 hours of completion of 24-hour collection.
Additional Information:
1. 24-Hour volume is required.
2. See Urine Preservatives in Special Instructions for multiple collections.
3. High concentrations of gadolinium and iodine are known to interfere with most metals tests. If either gadolinium- or iodine-containing contrast media has been administered, a specimen should not be collected for 96 hours.

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Urine	Refrigerate (preferred)	28 days
	Ambient	28 days
	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 Requirements for the collection and processing information.

LIST FEE: $185.00 **CPT CODE:** 83789

DAY(S) SET UP: Thursday; 5 p.m. **ANALYTIC TIME**: Same day/1 day

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or
Jim Nielsen, MML Laboratory Technologist Resource Coordinator
Telephone: 800-533-1710