

Reporting Title: Nickel, S**Performing Location:** Rochester**Ordering Guidance:**

Urine is the preferred specimen type for determining nickel exposure and potential toxicity. Order NIU / Nickel, 24 Hour, Urine or NIUCR / Nickel/Creatinine Ratio, Random, Urine.

This test should not be ordered for the investigation of nickel hypersensitivity. Instead, order testing for lymphocyte proliferation to nickel.

Specimen Requirements:

Patient Preparation: High concentrations of gadolinium and iodine are known to interfere with most metal tests. If either gadolinium- or iodine-containing contrast media has been administered, a specimen should not be collected for 96 hours.

Supplies: Metal Free Specimen Vial (T173)

Collection Container/Tube: Royal blue-top (metal-free, no additive)

Submission Container/Tube: 7-mL Mayo metal-free, screw-capped, vial

Specimen Volume: 0.5 mL

Collection Instructions:

1. Allow the specimen to clot for 30 minutes; then centrifuge the specimen to separate serum from the cellular fraction.
2. Remove the stopper. Carefully pour specimen into a Mayo metal-free, screw-capped vial, avoiding transfer of the cellular components of blood. Do not insert a pipet into the serum to accomplish transfer, and do not ream the specimen with a wooden stick to assist with serum transfer.
3. See Metals Analysis Specimen Collection and Transport for complete instructions.

Specimen Minimum Volume:

0.3 mL

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	7 days	METAL FREE
	Ambient	7 days	METAL FREE
	Frozen	7 days	METAL FREE

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
8622	Nickel, S	Numeric	ng/mL	5702-6

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

83885

Reference Values:

<2.0 ng/mL