

Reporting Title: Nickel, 24 Hr, U

Performing Location: Rochester

Ordering Guidance:

This test is preferred for the determination of nickel exposure, but serum concentrations can be used to verify an elevated urine concentration. For more information see NIS / Nickel, Serum.

Necessary Information:

24-Hour volume (in milliliters) is required.

Specimen Requirements:

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

Supplies: Urine Tubes, 10 mL (T068)

Container/Tube: Plastic, 10-mL urine tube or clean, plastic aliquot container with no metal cap or glued insert

Specimen Volume: 0.5 mL

Collection Instructions:

1. Collect urine for 24 hours.
2. Refrigerate specimen within 4 hours of completion of 24-hour collection.
- See [Metals Analysis Specimen Collection and Transport](#) for complete instructions.

Additional Information: See [Urine Preservatives-Collection and Transportation for 24-Hour Urine Specimens](#) for multiple collections.

Urine Preservative Collection Options:

Note: The addition of preservative or application of temperature controls **must occur within 4 hours of completion** of the collection.

| | |
|----------------------|-----------|
| Ambient | OK |
| Refrigerate | Preferred |
| Frozen | OK |
| 50% Acetic Acid | OK |
| Boric Acid | No |
| Diazolidinyl Urea | No |
| 6M Hydrochloric Acid | No |
| 6M Nitric Acid | OK |
| Sodium Carbonate | No |
| Thymol | No |
| Toluene | No |

| Specimen Type | Temperature | Time | Special Container |
|---------------|--------------------------|---------|-------------------|
| Urine | Refrigerated (preferred) | 28 days | |
| | Ambient | 28 days | |
| | Frozen | 28 days | |

Ask at Order Entry (AOE) Questions:

| Test ID | Question ID | Description | Type | Reportable |
|---------|-------------|---------------------|------------|------------|
| NIU | TM18 | Collection Duration | Plain Text | Yes |
| NIU | VL30 | Urine Volume | Plain Text | Yes |

Result Codes:

| Result ID | Reporting Name | Type | Unit | LOINC® |
|-----------|---------------------|--------------|----------|---------|
| 8626 | Nickel, 24 Hr, U | Numeric | mcg/24 h | 5705-9 |
| TM18 | Collection Duration | Alphanumeric | | 13362-9 |
| VL30 | Urine Volume | Alphanumeric | | 3167-4 |

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

83885

Reference Values:

0-17 years: not established
> or =18 years: <6.0 mcg/24h