

**Overview**
**Method Name**

Inductively Coupled Plasma/ Optical Emission Spectrometry (ICP/OES)

**NY State Available**

Yes

**Specimen**
**Specimen Type**

Varies

**Specimen Required**

Submit only 1 of the following specimens:

**Serum:**

 Draw blood in a trace metal free, royal blue top, no additive tube(s). **(Serum gel tube is not acceptable.)** Promptly centrifuge and separate 2 mL into an acid washed plastic screw capped vial (T619). Ship refrigerate.

**Plasma**

 Draw blood in a royal blue top, trace metal free; EDTA tube(s). **(Plasma gel tube is not acceptable.)** Promptly centrifuge and separate 2 mL into an acid washed plastic screw capped vial (T619). Ship refrigerate.

**Specimen Minimum Volume**

0.7 mL

**Reject Due To**

Hemolysis	NA
Lipemia	NA
Icterus	NA
Other	Glass container, Polymer gel separation tube (SST or PST)

**Specimen Stability Information**

Specimen Type	Temperature	Time	Special Container
Varies	Refrigerated (preferred)	21 days	Acid Washed Plastic (MML Supply T619)
	Ambient	14 days	Acid Washed Plastic (MML Supply T619)

Specimen Type	Temperature	Time	Special Container
	Frozen	14 days	Acid Washed Plastic (MML Supply T619)

## Clinical and Interpretive

### Reference Values

Reporting limit determined each analysis.

Generally: Less than 0.05 mg/dL

Silicon concentrations are influenced by diet, especially vegetable intake.

### Interpretation

Specimens for elemental testing should be collected in certified metal-free containers. Elevated results for elemental testing may be caused by environmental contamination at the time of specimen collection and should be interpreted accordingly. It is recommended that unexpected elevated results be verified by testing another specimen.

## Performance

### PDF Report

No

### Day(s) and Time(s) Test Performed

Monday

### Analytic Time

2 days

### Maximum Laboratory Time

4 - 9 days

### Specimen Retention Time

2 weeks

### Performing Laboratory Location

NMS Labs

## Fees and Codes

### Fees

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their Regional Manager. For assistance, contact [Customer Service](#).

### Test Classification

This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or

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approved by the U.S. Food and Drug Administration.

**CPT Code Information**

84285

**LOINC® Information**

Test ID	Test Order Name	Order LOINC Value
FSIL	Silicon	10829-0

Result ID	Test Result Name	Result LOINC Value
Z1431	Silicon	10829-0
Z1714	Reporting Limit	19147-8