MAYO CLINIC LABORATORIES

# Test Definition: FSILS

Silicon, Serum

## Overview

### Method Name
Inductively Coupled Plasma/Optical Emission Spectrometry (ICP/OES)

### NY State Available
Yes

## Specimen

### Specimen Type
Serum

### Ordering Guidance
This test assesses the presence of silicon and **does not** measure silica or silicone. Silica is silicon dioxide ($SiO_2$), which is found in quartz and sand. Silicones are inert synthetic organosilicon compounds used in adhesives, sealants, lubricants, medical applications, insulation, and cooking utensils.

### Specimen Required
*****Must submit one specimen per orders. Specimens cannot be shared between multiple orders.*****

**Supplies:** NMS Acid Washed "Precleaned", 10 mL (T619)
**Collection Container/Tube:** Royal blue top (no additive, metal-free)(serum gel/SST are **not acceptable**)
**Submission Container/Tube**: Trace metal-free plastic vial
**Specimen Volume:** 2 mL Serum
**Collection Instructions:**
1. Promptly centrifuge and aliquot serum into a trace metal-free plastic vial.
2. Send refrigerated.

### Specimen Minimum Volume
Serum: 0.7 mL

### Reject Due To

| | |
|---|---|
| Glass container | Reject |

### Specimen Stability Information

| Specimen Type | Temperature | Time | Special Container |
|---|---|---|---|
| Serum | Refrigerated (preferred) | 21 days | Acid Washed Plastic (MML Supply T619) |

| | | | |
|---|---|---|---|
| | Ambient | 14 days | Acid Washed Plastic (MML Supply T619) |
| | Frozen | 14 days | Acid Washed Plastic (MML Supply T619) |

## Clinical & Interpretive

### Clinical Information
Refer to www.nmslabs.com/test-catalog.

### 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 in a trace metal-free container.

## Performance

### PDF Report
No

### Day(s) Performed
Monday through Sunday

### Report Available
9 to 11 days

### Performing Laboratory Location
NMS Labs

## Fees & 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 account representative. For assistance, contact Customer Service.

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## Test Classification

The test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the U.S. Food and Drug Administration.

## CPT Code Information

84285

## LOINC® Information

| Test ID | Test Order Name | Order LOINC® Value |
|---|---|---|
| FSILS | Silicon, Serum | 10829-0 |

| Result ID | Test Result Name | Result LOINC® Value |
|---|---|---|
| Z5930 | Silicon | 10829-0 |