

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 (SiO₂), 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.*****

Specimen Type: Serum

Collection Container/Tube: Plastic Royal Blue top tube (Trace metal-free; No additive)

Specimen Volume: 2 mL

Collection Instructions: Draw blood in a plastic, 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 refrigerated.

Specimen Minimum Volume

0.7 mL

Reject Due To

Other/Tissue/Swab	Glass container, Polymer gel separation tube (SST or PST)
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Specimen Stability Information

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

			Supply T619)
	Frozen	14 days	Acid Washed Plastic (MML Supply T619)

Clinical & 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 in a trace metal free container.

Performance

PDF Report

No

Report Available

9 to 11 days

Specimen Retention Time

2 weeks

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](#).

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