

**Reporting Title:** Selenium, S

**Performing Location:** Rochester

**Specimen Requirements:**

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

**Supplies:**

-Metal Free Specimen Vial (T173)

-Metal Free B-D Tube (No Additive), 6 mL (T184)

**Collection Container/Tube:** 6-mL Plain, royal blue-top Vacutainer plastic trace element blood collection tube

**Submission Container/Tube:** 7-mL Metal-free, screw-capped, polypropylene vial

**Specimen Volume:** 0.8 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 metal-free, polypropylene vial, avoid transferring the cellular components of blood. **Do not** insert a pipette 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.

**Forms:**

If not ordering electronically, complete, print, and send [General Request](#) (T239)

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	28 days	METAL FREE
	Ambient	28 days	METAL FREE
	Frozen	28 days	METAL FREE

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
9765	Selenium, S	Numeric	mcg/L	5724-0

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

**Supplemental Report:**

No

**CPT Code Information:**

84255

**Reference Values:**

0-2 months: 45-90 mcg/L

3-6 months: 50-120 mcg/L

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7-9 months: 60-120 mcg/L  
10-12 months: 70-130 mcg/L  
13 months-17 years: 70-150 mcg/L  
> or =18 years: 110-165 mcg/L