MAYO CLINIC LABORATORIES

NEW TEST

Notification Date: May 17, 2022
Effective Date: June 21, 2022

Zinc, Serum

Test ID: ZN_S

Useful for:
Detecting zinc deficiency

Methods:
Dynamic Reaction Cell-Inductively Coupled Plasma-Mass Spectrometry (DRC-ICP-MS)

Reference Values:
0-10 years: 60-120 mcg/dL
11-17 years: 66-110 mcg/dL
> or =18 years: 60-106 mcg/dL

Specimen Requirements:

Container/Tube:	6 mL Plain, royal blue-top Vacutainer plastic trace element blood collection tube, 7-mL Metal-free, screw-capped, polypropylene submission vial
Preferred:	Metal Free B-D Tube (No Additive), 6 mL (T184) Metal Free Specimen Vial (T173)
Acceptable:	Metal Free collection and submission tubes
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 metal-free, polypropylene vial, avoiding transfer of the cellular components of blood. Do not insert a pipet into the serum to accomplish transfer, and do not ream the specimen with a wooden stick to assist with serum transfer. 3. See Trace Metals Analysis Specimen Collection and Transport for complete instructions.
Minimum Volume:	0.2 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	28 days
	Ambient	28 days
	Frozen	28 days

Cautions:

Hemolyzed specimens will cause false elevation of serum zinc levels.

It is essential that the specimen is collected following the trace metals collection procedure (see Trace Metals Analysis Specimen Collection and Transport in Special Instructions.)

CPT Code:

84630

Day(s) Performed: Monday through Saturday **Report Available:** 1 to 3 days

Questions

Contact Rebekah Knauer, Laboratory Technologist Resource Coordinator at 800-533-1710.