

### Update Summary

Inactivate Test With Replacement	10/21/2025	<a href="#">CHSMS - "Chromium, Serum" replaced by CHRMP - "Chromium, Serum/Plasma"</a>
Inactivate Test With Replacement	10/21/2025	<a href="#">COPS - "Copper" replaced by COPP - "Copper, Serum/Plasma"</a>
Inactivate Test With Replacement	10/21/2025	<a href="#">SELS - "Selenium" replaced by SELP - "Selenium, Serum/Plasma"</a>
Inactivate Test With Replacement	10/21/2025	<a href="#">ZINC - "Zinc, Plasma" replaced by ZINCP - "Zinc, Serum/Plasma"</a>

### Inactivate Test With Replacement

<b>Effective Date</b>	10/21/2025
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#### Inactivated Test

<b>Name</b>	Chromium, Serum
<b>Code</b>	CHRMS
<b>Legacy Code</b>	CHRMQ
<b>Interface Order Code</b>	3422860

#### Replacement Test

<b>Name</b>	Chromium, Serum/Plasma
<b>Code</b>	CHRMP
<b>CPT Code(s)</b>	82495
<b>Notes</b>	New York DOH Approval Status: No

### Specimen Requirements

<b>Specimen Required</b>	<i>Collect:</i> Dark blue trace element no additive <i>Specimen Preparation:</i> Centrifuge, separate serum from cells within 2 hours by carefully pouring 2.0 mL serum into a screw capped plastic vial. Do not pipette serum or plasma. Do not ream with wooden stick. <i>Minimum Volume:</i> 1.0 mL <i>Transport Temperature:</i> Refrigerated
<b>Alternate Specimen</b>	Plasma: Dark blue trace element EDTA
<b>Rejection Criteria</b>	Gross hemolysis, Gel barrier tubes, serum or plasma not separated from cells within 2 hours.
<b>Stability</b>	Room temperature: 7 days Refrigerated: 14 days Frozen: 30 days

### Performing Information

<b>Methodology</b>	Inductively Coupled Plasma/Mass Spectrometry (ICP/MS)
<b>Reference Range</b>	<0.08 µg/dL
<b>Performed Days</b>	Monday - Friday
<b>Turnaround Time</b>	2 - 5 days
<b>Performing Laboratory</b>	Warde Medical Laboratory

### Interface Information

<b>Legacy Code</b>	CHRMP		
<b>Interface Order Code</b>	3000429		
<b>Result Code</b>	<b>Name</b>	<b>LOINC Code</b>	<b>AOE/Prompt</b>
3000429	Chromium, Serum/Plasma	5622-6	No



## LABORATORY REPORT

QC ACCOUNT (WARDE)  
300 W. TEXTILE  
ANN ARBOR MI 48108

### EXAMPLE, REPORT

WX0000000237 F 12/05/1988

Collected: 09/18/2025 08:18

Received: 09/18/2025 08:18

<u>Test Name</u>	<u>Result</u>	<u>Flag</u>	<u>Ref-Ranges</u>	<u>Units</u>	<u>Site</u>
Chromium, Serum/Plasma	<0.08		<0.08	ug/dL	WMRL

Elevated results may be due to sample collected in a non-certified trace element-free tube.

This test was developed and the performance characteristics determined by Warde Medical Laboratory. It has not been cleared or approved by the FDA. The laboratory is regulated under CLIA as qualified to perform high-complexity testing. This test is used for patient testing purposes. It should not be regarded as investigational or for research.

WMRL: Warde Medical Laboratory 300 West Textile Road Ann Arbor MI 48108 (800)876-6522

Performing Site:

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL,

E118000005

Ordered By: CLIENT C CLIENT, MD

WX0000000237

WX00000000000336

Report Date: 09/18/2025 08:22

WMB-25-3519

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Kajal V. Sitwala, MD, PhD - Medical Director

### Inactivate Test With Replacement

**Effective Date** 10/21/2025

#### Inactivated Test

**Name** Copper

**Code** COPS

**Legacy Code** COPS

**Interface Order Code** 1004750

#### Replacement Test

**Name** Copper, Serum/Plasma

**Code** COPP

**CPT Code(s)** 82525

**Notes** New York DOH Approval Status: No

### Specimen Requirements

#### Specimen Required

*Collect:* Dark blue trace element no additive

*Specimen Preparation:* Centrifuge, separate serum from cells within 2 hours by carefully pouring 2.0 mL serum into a screw capped plastic vial. Do not pipette serum or plasma. Do not ream with wooden stick.

*Minimum Volume:* 1.0 mL

*Transport Temperature:* Refrigerated

**Alternate Specimen** Plasma: Dark blue trace element EDTA

**Rejection Criteria** Gross hemolysis, Gel barrier tubes, serum or plasma not separated from cells within 2 hours.

#### Stability

Room temperature: 7 days

Refrigerated: 14 days

Frozen: 30 days

### Performing Information

**Methodology** Inductively Coupled Plasma/Mass Spectrometry (ICP/MS)

#### Reference Range

Male: 70 - 40 µg/dL

Female: 70 - 160 µg/dL

**Performed Days** Monday - Friday

**Turnaround Time** 2 - 5 days

**Performing Laboratory** Warde Medical Laboratory

### Interface Information

**Legacy Code** COPP

**Interface Order Code** 3000426

#### Result Code

#### Name

#### LOINC Code

#### AOE/Prompt

3000426

Copper, Serum/Plasma

5631-7

No



## LABORATORY REPORT

QC ACCOUNT (WARDE)  
300 W. TEXTILE  
ANN ARBOR MI 48108

### EXAMPLE, REPORT

WX0000000237 F 12/05/1988

Collected: 09/18/2025 08:17

Received: 09/18/2025 08:17

<u>Test Name</u>	<u>Result</u>	<u>Flag</u>	<u>Ref-Ranges</u>	<u>Units</u>	<u>Site</u>
Copper, Serum/Plasma	75.00		70.0-160.0		WMRL

Copper values may be elevated to twice the normal levels in pregnancy.

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WMRL: Warde Medical Laboratory 300 West Textile Road Ann Arbor MI 48108 (800)876-6522

Performing Site:

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL,

E118000003

Ordered By: CLIENT C CLIENT, MD

WX0000000237

WX00000000000336

Report Date: 09/18/2025 08:22

WMB-25-3517

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Kajal V. Sitwala, MD, PhD - Medical Director

### Inactivate Test With Replacement

<b>Effective Date</b>	10/21/2025
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#### Inactivated Test

<b>Name</b>	Selenium
<b>Code</b>	SELS
<b>Legacy Code</b>	SELSP
<b>Interface Order Code</b>	3706520

#### Replacement Test

<b>Name</b>	Selenium, Serum/Plasma
<b>Code</b>	SELP
<b>CPT Code(s)</b>	84255
<b>Notes</b>	New York DOH Approval Status: No

### Specimen Requirements

<b>Specimen Required</b>	<i>Collect:</i> Dark blue trace element no additive <i>Specimen Preparation:</i> Centrifuge, separate serum from cells within 2 hours by carefully pouring 2.0 mL serum into a screw capped plastic vial. Do not pipette serum or plasma. Do not ream with wooden stick. <i>Minimum Volume:</i> 1.0 mL <i>Transport Temperature:</i> Refrigerated
<b>Alternate Specimen</b>	Plasma: Dark blue trace element EDTA
<b>Rejection Criteria</b>	Gross hemolysis, Gel barrier tubes, serum or plasma not separated from cells within 2 hours.
<b>Stability</b>	Room temperature: 7 days Refrigerated: 14 days Frozen: 30 days

### Performing Information

<b>Methodology</b>	Inductively Coupled Plasma/Mass Spectrometry (ICP/MS)
<b>Reference Range</b>	5.0 - 7.0 µg/dL
<b>Performed Days</b>	Monday - Friday
<b>Turnaround Time</b>	2 - 5 days
<b>Performing Laboratory</b>	Warde Medical Laboratory

### Interface Information

<b>Legacy Code</b>	SELP		
<b>Interface Order Code</b>	3000421		
<b>Result Code</b>	<b>Name</b>	<b>LOINC Code</b>	<b>AOE/Prompt</b>
3000421	Selenium, Serum/Plasma	5724-0	No



## LABORATORY REPORT

QC ACCOUNT (WARDE)  
300 W. TEXTILE  
ANN ARBOR MI 48108

### EXAMPLE, REPORT

WX0000000158 M 07/08/1968

Collected: 09/18/2025 08:18

Received: 09/18/2025 08:18

<u>Test Name</u>	<u>Result</u>	<u>Flag</u>	<u>Ref-Ranges</u>	<u>Units</u>	<u>Site</u>
Selenium, Serum/Plasma	5.00		5.0-7.0	ug/dL	WMRL

Elevated results may be due to sample collected in a non-certified trace element-free tube.

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WMRL: Warde Medical Laboratory 300 West Textile Road Ann Arbor MI 48108 (800)876-6522

Performing Site:

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL,

E118000006

Ordered By: CLIENT C CLIENT, MD

WX0000000158

WX00000000000260

Report Date: 09/18/2025 08:22

WMB-25-3520

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Kajal V. Sitwala, MD, PhD - Medical Director

### Inactivate Test With Replacement

<b>Effective Date</b>	10/21/2025
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#### Inactivated Test

<b>Name</b>	Zinc, Plasma
<b>Code</b>	ZINC
<b>Legacy Code<sup>1</sup></b>	ZINC
<b>Interface Order Code</b>	1004900

#### Replacement Test

<b>Name</b>	Zinc, Serum/Plasma
<b>Code</b>	ZINCP
<b>CPT Code(s)</b>	84630
<b>Notes</b>	New York DOH Approval Status: No

### Specimen Requirements

<b>Specimen Required</b>	<p><i>Collect:</i> Dark blue trace element no additive</p> <p><i>Specimen Preparation:</i> Centrifuge, separate serum from cells within 2 hours by carefully pouring 2.0 mL serum into a screw capped plastic vial. Do not pipette serum or plasma. Do not ream with wooden stick.</p> <p><i>Minimum Volume:</i> 1.0 mL</p> <p><i>Transport Temperature:</i> Refrigerated</p>
<b>Alternate Specimen</b>	Plasma: Dark blue trace element EDTA
<b>Rejection Criteria</b>	Gross hemolysis, Gel barrier tubes, serum or plasma not separated from cells within 2 hours.
<b>Stability</b>	<p>Room temperature: 24 hours</p> <p>Refrigerated: 7 days</p> <p>Frozen: 14 days</p>

### Performing Information

<b>Methodology</b>	Inductively Coupled Plasma/Mass Spectrometry (ICP/MS)
<b>Reference Range</b>	50 - 150 µg/dL
<b>Performed Days</b>	Monday - Friday
<b>Turnaround Time</b>	2 - 5 days
<b>Performing Laboratory</b>	Warde Medical Laboratory

### Interface Information

<b>Legacy Code</b>	ZINCP		
<b>Interface Order Code</b>	3000418		
<b>Result Code</b>	<b>Name</b>	<b>LOINC Code</b>	<b>AOE/Prompt</b>
3000418	Zinc, Serum/Plasma	5763-8	No





## LABORATORY REPORT

QC ACCOUNT (WARDE)  
300 W. TEXTILE  
ANN ARBOR MI 48108

### EXAMPLE, REPORT

WX0000000158 M 07/08/1968

Collected: 09/18/2025 08:17

Received: 09/18/2025 08:17

<u>Test Name</u>	<u>Result</u>	<u>Flag</u>	<u>Ref-Ranges</u>	<u>Units</u>	<u>Site</u>
Zinc, Serum/Plasma	50.00		50.0-150.0	ug/dL	WMRL

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Performing Site:  
WMRL: Warde Medical Laboratory 300 West Textile Road Ann Arbor MI 48108 (800)876-6522

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL,

E118000004

Ordered By: CLIENT C CLIENT, MD

WX0000000158

WX00000000000260

Report Date: 09/18/2025 08:22

WMB-25-3518

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Kajal V. Sitwala, MD, PhD - Medical Director