

**HEAVY METALS SCREEN WITH DEMOGRAPHICS**  
**#15080**

**EXPLANATION:** Units of measure for Lead and Arsenic will change from ug/dL to mcg/dL to be consistent with other Metals tests. Lead reference value will also include the word “Desirable”. We apologize for the lack of lead time on this change.

**PREVIOUS REFERENCE VALUE:**

**LEAD**

< 10 ug/dL

**Critical Values**

Pediatrics (< or = 15 years): > or = 20 ug/dL

Adults (> or = 16 years): > or = 70 ug/dL

**MERCURY**

Normal: <10 ng/ml

Toxic concentration: >50 ng/mL

**CADMIUM**

<5.0 ng/mL

**ARSENIC**

<0.07 ug/mL

**NEW REFERENCE VALUE:**

**LEAD**

Desirable < 10 mcg/dL

**Critical Values**

Pediatrics (< or = 15 years): > or = 20 mcg/dL

Adults (> or = 16 years): > or = 70 mcg/dL

**MERCURY**

Normal: <10 ng/mL

Toxic concentration: >50 ng/mL

**CADMIUM**

<5.0 ng/mL

**ARSENIC**

<0.07 mcg/mL

**QUESTIONS:** Contact your Mayo Medical Laboratories’ Regional Manager or  
Jim Nielsen, Mayo Medical Laboratories’ Technologist Support  
Telephone: 800-533-1710

## TEST DEFINITION

8/13/2009

Code Name

15080 Heavy Metals Scrn with Demographics

\*\*\*\* End of Name to order code Report \*\*\*\*

MML MML Test setup information

ORDER CODE	EFF DATE	TC	TITLE	Checking Normals	Print normals (# coded)	Perform Site *
15080(profile) 18064			Heavy Metals Scrn with Demographics Heavy Metals Screen, B			SDL
			Transport temp : Refrig\Ambient OK\Frozen OK This order unit has no reportable members			
2541	8/11/2009		Arsenic			SDL
			Transport temp : Refrig\Ambient OK\Frozen OK			
		8645	Arsenic, B			
			Units: mcg/mL			
			NO SEX			
			No age	:	<0.07 (>=16 y)	
			1D to 15Y	:	<0.07 (>=16 y)	
			16Y to 150Y	:	0.0-0.06	<0.07
			MALE			
			No age	:	<0.07 (>=16 y)	
			1D to 15Y	:	<0.07 (>=16 y)	
			16Y to 150Y	:	0.0-0.06	<0.07
			FEMALE			
			No age	:	<0.07 (>=16 y)	
			1D to 15Y	:	<0.07 (>=16 y)	
			16Y to 150Y	:	0.0-0.06	<0.07
			- - - - -			
2588	8/11/2009		Lead			SDL
			Transport temp : Refrig\Ambient OK\Frozen OK			
		2588	Lead			
			Units: mcg/dL			
			NO SEX			
			No age	:	Desirable <10	
			(continued next page)			

MML

MML Test setup information

ORDER CODE -----	EFF DATE -----	TC -----	TITLE -----	Checking Normals -----	Print normals (# coded) -----	Perform Site * -----
15080	(continued)					
		2588	Lead (continued)			
			1D to 15Y	: 0-9	; Desirable <10	
			16Y to 150Y	: 0-19	; Desirable <10	
			MALE			
			No age	:	; Desirable <10	
			1D to 15Y	: 0-9	; Desirable <10	
			16Y to 150Y	: 0-19	; Desirable <10	
			FEMALE			
			No age	:	; Desirable <10	
			1D to 15Y	: 0-9	; Desirable <10	
			16Y to 150Y	: 0-19	; Desirable <10	
2589	8/11/2009		Mercury			SDL
			Transport temp : Refrig\Ambient OK\Frozen OK			
		2589	Mercury			
			Units: ng/mL			
			NO SEX			
			No age	:	; #N8618C0	
			1D to 15Y	:	; #N8618C0	
			16Y to 150Y	: 0.0-9.9	; <10 (Toxic >50)	
			MALE			
			No age	:	; #N8618C0	
			1D to 15Y	:	; #N8618C0	
			16Y to 150Y	: 0.0-9.9	; <10 (Toxic >50)	
			FEMALE			
			No age	:	; #N8618C0	
			1D to 15Y	:	; #N8618C0	
			16Y to 150Y	: 0.0-9.9	; <10 (Toxic >50)	
2655	8/11/2009		Cadmium			SDL
			Transport temp : Refrig\Ambient OK\Frozen OK			
		8682	Cadmium, B			
			Units: ng/mL			
			NO SEX			
			No age	:	; <5 (>=16 y)	
			1D to 15Y	:	; <5 (>=16 y)	
			16Y to 150Y	: 0.0-4.9	; <5	
			MALE			
			No age	:	; <5 (>=16 y)	
			1D to 15Y	:	; <5 (>=16 y)	
			16Y to 150Y	: 0.0-4.9	; <5	
			FEMALE			
			No age	:	; <5 (>=16 y)	
			1D to 15Y	:	; <5 (>=16 y)	

26607 3/21/2001 Patient Demographics SDL  
 Transport temp : Refrig\Ambient OK\Frozen OK  
 15067 Street Address  
 (continued next page)

MML MML Test setup information

ORDER CODE	EFF DATE	TC	TITLE	Checking Normals	Print normals (# coded)	Perform Site *
15080	(continued)	15068	City			
		15069	State			
		15070	Zip			
		15074	County			
		15072	Guardian first name			
		15073	Guardian last name			
		15071	Home Phone			
		15075	Venous/Capillary			
		15076	Race			

\*Performing Site Legend

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 SDL Mayo Clinic Dpt of Lab Med & Pathology LAB DIRECTOR: Franklin R. Cockerill, III, M.D.  
 Superior Dr.  
 3050 Superior Dr. NW  
 Rochester, MN 55901  
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\*\*\* End of Report \*\*\*

CODE	TEXT
N8618C0	<10 (Toxic >50) (>=16 y)

Total of 1 normals codes

\*\*\* End of Report \*\*\*

1-800-533-1710

PATIENT NAME TESTING, K		PATIENT NUMBER		AGE 14	SEX F	ACCESSION # W2275877
ORDERING PHYSICIAN		CLIENT ORDER #			ACCOUNT # LIAISONS	
COLLECTION 08/13/09 08:32 A	RECEIVED	REPORT PRINTED 08/13/09 03:00 P		SPECIMEN INFORMATION DATE OF BIRTH:		
DATE	TIME	DATE	TIME	DATE	TIME	
Test Client						
Attn: Mayo Liaisons						
200 First Street SW						
Rochester, MN 55905						
507-284-8202						

TEST REQUESTED	HI	LO	REF RANGE	PERFORM SITE *
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**Heavy Metals Scrn with Demographics**

Arsenic, B	<0.05	mcg/mL	<0.07 (>=16 y)	SDL
Lead	<1	mcg/dL	Desirable <10	SDL
Blood lead levels in the range of 5-9 mcg/dL have been associated with adverse health effects in children aged 6 years and younger.				
Mercury	<1	ng/mL		SDL
-- EXPECTED VALUES --				
<10 (Toxic >50) (>=16 y)				
Cadmium, B	<0.2	ng/mL	<5 (>=16 y)	SDL
Street Address	Address			SDL
City	Rochester			SDL
State	MN			SDL
Zip	55906			SDL
County	Olmsted			SDL
Guardian first name	Mother			SDL
Guardian last name	Guard			SDL
Home Phone	999-999-9999			SDL
Venous/Capillary	VEM			SDL
Race	White			SDL

## \* PERFORMING SITE

SDL	Mayo Clinic Dpt of Lab Med & Pathology Superior Dr 3050 Superior Dr. NW Rochester, MN 55901	Lab Director: Franklin R. Cockerill, III, M.D.
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PATIENT NAME TESTING, K	ORDER STATUS Final	COLLECTION DATE AND TIME 08/13/09 08:32 A
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