



# Test Definition: CRMP1

Cardiovascular Risk Marker Panel, Serum

**Reporting Title:** Cardiovascular Risk Marker Panel, S

**Performing Location:** Mayo Clinic Laboratories - Rochester Main Campus

**Specimen Requirements:**

**Patient Preparation:**

Fasting: 12 hours, preferred but not required unless directed by the ordering provider.

**Collection Container/Tube:**

**Preferred:** Serum gel

**Acceptable:** Red top

**Submission Container/Tube:** Plastic vial

**Specimen Volume:** 2.5 mL

**Collection Instructions:** Centrifuge and aliquot serum into a plastic vial. Send refrigerated.

**Forms:**

[If not ordering electronically, complete, print, and send a Cardiovascular Test Request Form](#) (T724) with the specimen.

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	7 days	
	Frozen	30 days	

**Ask at Order Entry (AOE) Questions:**

Test ID	Question ID	Description	Type	Reportable
INTC1	RAWF	Fasting (8 HR or more), Raw	Answer List	Yes

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
CHOL	Cholesterol, Total, S	Numeric	mg/dL	2093-3
HDCH	Cholesterol, HDL, S	Numeric	mg/dL	2085-9
HSCRCP	C-Reactive Protein, High Sens, S	Numeric	mg/L	30522-7
NHDCH	Cholesterol, Non-HDL, Calculated, S	Numeric	mg/dL	43396-1
TRIG	Triglycerides, S	Numeric	mg/dL	2571-8
CVINT	Interpretation	Alphanumeric		59462-2
APOLB	Apolipoprotein B, S	Numeric	mg/dL	1884-6
LIPA1	Lipoprotein(a), S	Numeric	nmol/L	43583-4
CLDL1	Cholesterol, LDL, Calculated, S	Numeric	mg/dL	13457-7
INTC1	Fasting (8 HR or more)	Alphanumeric		87527-8

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

**Supplemental Report:**

No

**Components:**

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
CLDL1	Cholesterol, LDL, Calculated, S			Yes	No
NHDCH	Cholesterol, Non-HDL, Calculated, S			Yes	No
APOLB	Apolipoprotein B, S	1	82172	Yes	Yes
HDCH	Cholesterol, HDL, S	1	83718	Yes	Yes
CHOL	Cholesterol, Total, S	1	82465	Yes	Yes
TRIG	Triglycerides, S	1	84478	Yes	Yes
LIPA1	Lipoprotein(a), S	1	83695	Yes	Yes
HSCRP	C-Reactive Protein, High Sens, S	1	86141	Yes	Yes
CVINT	Interpretation			Yes	No
INTC1	Fasting (8 HR or more)			Yes	No

**CPT Code Information:**

80061-Lipid panel (includes: HDL [CPT Code 83718], total cholesterol [CPT Code 82465], and triglycerides [CPT Code 84478])

83695-Lipoprotein (a)

86141-C-reactive protein; high sensitivity (hsCRP)

82172-Apolipoprotein B

**Reference Values:**

Age	2-17 years	> or =18 years
<b>CALCULATED NON-HDL CHOLESTEROL (mg/dL)</b>	** Acceptable: <120 Borderline High: 120-144 High: > or =145	* Desirable: <130 mg/dL Above Desirable: 130-159 mg/dL Borderline High: 160-189 mg/dL High: 190-219 mg/dL Very high: > or =220 mg/dL
<b>CALCULATED LDL CHOLESTEROL (mg/dL)</b>	** Acceptable: <110 Borderline High: 110-129 High: > or =130	*** Desirable: <100 Above Desirable: 100-129 Borderline High: 130-159 High: 160-189 Very high: > or =190
<b>HDL CHOLESTEROL (mg/dL)</b>	** Low: <40 Borderline Low: 40-45 Acceptable: > 45	*** Males: > or =40 Females: > or =50
<b>TOTAL CHOLESTEROL (mg/dL)</b>	** Acceptable: <170 Borderline High: 170-199 High: > or =200	* Desirable: < 200 Borderline High: 200 - 239 High: > or = 240
<b>LIPOPROTEIN (a)</b>	Not established	< 75 nmol/L

(nmol/L)		Values $\geq$ 75 nmol/L may suggest increased risk of coronary heart disease.
<b>C-REACTIVE PROTEIN, HIGH SENSITIVITY</b>	* Lower risk: <2.0 mg/L Higher risk: $\geq$ 2.0 mg/L Acute inflammation: >10.0 mg/L	* Lower risk: <2.0 mg/L Higher risk: $\geq$ 2.0 mg/L Acute inflammation: >10.0 mg/L
<b>APOLIPOPROTEIN B(mg/dL)</b>	Acceptable: <90 Borderline High: 90-109 High: > or =110	Desirable: <90 Above Desirable: 90-99 Borderline High: 100-119 High: 120-139 Very High: > or =140

Age	2-9 years	10-17 years	> or =18 years
<b>TRIGLYCERIDES (mg/dL)</b>	** Acceptable: <75 Borderline High: 75-99 High: > or =100	** Acceptable: <90 Borderline High: 90-129 High: > or =130	* Normal: <150 Borderline High: 150-199 High: 200-499 Very High: > or =500

\*National Lipid Association 2014

\*\*Expert Panel on Integrated Guidelines for Cardiovascular Health and Risk Reduction in Children and Adolescents

\*\*\*National Cholesterol Education Program (NCEP)