

Reporting Title: Cardiovascular Risk Marker Panel, S

Performing Location: Rochester

Specimen Requirements:

Patient Preparation: Fasting is 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 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   | INTC1       | Fasting (8 HR or more)      | Answer List | Yes        |
| 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  |
| HSCRП     | 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<br/>NON-HDL<br/>CHOLESTEROL (mg/dL)</b> | **<br><br>Acceptable: <120<br>Borderline High: 120-144<br>High: > or =145 | *<br><br>Desirable: <130 mg/dL<br>Above Desirable: 130-159 mg/dL<br>Borderline High: 160-189 mg/dL<br>High: 190-219 mg/dL<br>Very high: > or =220 mg/dL |
| <b>CALCULATED LDL<br/>CHOLESTEROL (mg/dL)</b>         | **<br><br>Acceptable: <110<br>Borderline High: 110-129<br>High: > or =130 | ***<br><br>Desirable: <100<br>Above Desirable: 100-129<br>Borderline High: 130-159<br>High: 160-189<br>Very high: > or =190                             |
| <b>HDL CHOLESTEROL<br/>(mg/dL)</b>                    | **<br><br>Low: <40<br>Borderline Low: 40-45<br>Acceptable: > 45           | ***<br><br>Males: > or =40<br>Females: > or =50                                                                                                         |
| <b>TOTAL CHOLESTEROL<br/>(mg/dL)</b>                  | **<br><br>Acceptable: <170<br>Borderline High: 170-199<br>High: > or =200 | *<br><br>Desirable: < 200<br>Borderline High: 200 - 239<br>High: > or = 240                                                                             |

|                                      |                                                                                         |                                                                                                               |
|--------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| LIPOPROTEIN (a)<br>(nmol/L)          | Not established                                                                         | < 75 nmol/L<br>Values >= 75 nmol/L may suggest increased risk of coronary heart disease.                      |
| C-REACTIVE PROTEIN, HIGH SENSITIVITY | *<br>Lower risk: <2.0 mg/L<br>Higher risk: >=2.0 mg/L<br>Acute inflammation: >10.0 mg/L | *<br>Lower risk: <2.0 mg/L<br>Higher risk: >=2.0 mg/L<br>Acute inflammation: >10.0 mg/L                       |
| APOLIPOPROTEIN B(mg/dL)              | Acceptable: <90<br>Borderline High: 90-109<br>High: > or =110                           | Desirable: <90<br>Above Desirable: 90-99<br>Borderline High: 100-119<br>High: 120-139<br>Very High: > or =140 |

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