Test Definition: CERAM

MI-Heart Ceramides, Plasma

Reporting Title: MI-Heart Ceramides, P
Performing Location: Mayo Clinic Laboratories - Rochester Main Campus

Specimen Requirements:

Patient Preparation: Patients should not be receiving Intralipid because it may cause false elevations in measured ceramides.
Collection Container/Tube: Lavender top (EDTA)
Submission Container/Tube: Plastic vial
Specimen Volume: 1 mL
Collection Instructions: Centrifuge, aliquot at least 1 mL of plasma into a plastic vial and freeze within 8 hours.

Forms:

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

Specimen Type	Temperature	Time	Special Container
Plasma EDTA	Frozen (preferred)	30 days	
	Ambient	8 hours	
	Refrigerated	24 hours	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
42428	Ceramide (16:0)	Numeric	mcmol/L	93882-9
42429	Ceramide (18:0)	Numeric	mcmol/L	93881-1
42430	Ceramide (24:1)	Numeric	mcmol/L	93880-3
42431	Ceramide (16:0)/(24:0) ratio	Alphanumeric		93879-5
42432	Ceramide (18:0)/(24:0) ratio	Alphanumeric		93878-7
42433	Ceramide (24:1)/(24:0) ratio	Alphanumeric		93877-9
42434	MI-Heart Ceramide Risk Score	Alphanumeric		93876-1

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

Supplemental Report:

No

CPT Code Information:

0119U

Reference Values:

MI-Heart Ceramide Risk Score:
0-2 Lower risk
3-6 Moderate risk
7-9 Increased risk

10-12 Higher risk
Ceramide (16:0): 0.19-0.36 mcmol/L
Ceramide (18:0): 0.05-0.14 mcmol/L
Ceramide (24:1): 0.65-1.65 mcmol/L
Ceramide (16:0)/(24:0): <0.11
Ceramide (18:0)/(24:0): <0.05
Ceramide (24:1)/(24:0): <0.45

Reference values have not been established for patients who are less than 18 years of age.

Note: Ceramide (24:0) alone has not been independently associated with disease and will not be reported.