Test Definition: POX

Fatty Acid Profile, Peroxisomal (C22-C26), Serum

Reporting Title: Fatty Acid Profile, Peroxisomal, S
Performing Location: Rochester

Specimen Requirements:

Collection Container/Tube:
Preferred: Red top
Acceptable: Serum gel
Submission Container/Tube: Plastic vial
Specimen Volume: 0.5 mL
Collection Instructions:
1. Fasting-overnight (12-14 hours).
2. Patient must not consume any alcohol for 24 hours before the specimen is drawn.
3. Spin down within 45 minutes of draw.
Additional Information:
1. Patient's age is required.
2. Include information regarding treatment, family history, and tentative diagnosis.
Forms: If not ordering electronically, submit a Biochemical Genetics Request Form (Supply T439) with the specimen.

Specimen Type	Temperature	Time
Serum	Frozen (preferred)	92 days
	Refrigerated	15 days

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
81369	C22:0	Numeric	nmol/mL	30194-5
7143	C24:0	Numeric	nmol/mL	30195-2
7137	C26:0	Numeric	nmol/mL	30197-8
7138	C24:0/C22:0	Numeric	ratio	30196-0
7139	C26:0/C22:0	Numeric	ratio	30198-6
7140	Pristanic Acid	Numeric	nmol/mL	22761-1
7141	Phytanic Acid	Numeric	nmol/mL	22671-2
7142	Pristanic/Phytanic	Numeric	ratio	30550-8
7144	Comment	Alphanumeric		48767-8

CPT Code: 1 × 82726

Reference Values:

C22:0
< or =96.3 nmol/mL

C24:0
< or =91.4 nmol/mL

C26:0
< or =1.30 nmol/mL

C24:0/C22:0 RATIO
< or =1.39

C26:0/C22:0 RATIO
< or =0.023

PRISTANIC ACID
0-4 months: < or =0.60 nmol/mL
5-8 months: < or =0.84 nmol/mL
9-12 months: < or =0.77 nmol/mL
13-23 months: < or =1.47 nmol/mL
> or =24 months: < or =2.98 nmol/mL

PHYTANIC ACID
0-4 months: < or =5.28 nmol/mL
5-8 months: < or =5.70 nmol/mL
9-12 months: < or =4.40 nmol/mL
13-23 months: < or =8.62 nmol/mL
> or =24 months: < or =9.88 nmol/mL

PRISTANIC/PHYTANIC ACID RATIO
0-4 months: < or =0.35
5-8 months: < or =0.28
9-12 months: < or =0.23
13-23 months: < or =0.24
> or =24 months: < or =0.39