

STEROL
PROFILE,
SERUM/
PLASMA

Orderable – STEROL

Turn Around Time: 30 days

Alternate Name(s):

7-Dehydrocholesterol

Specimen:

4.5 mL Light Green top Vacutainer tube

Collection Information:

Minimum volume required is 1 mL of serum.

Minimum volume required for pediatric sample is 0.2 mL.

Fasting specimen preferred. Protect specimen from light. Specimen must be labelled inside and outside light-protecting wrap.

Reference Ranges:

STEROL PROFILE	REFERENCE INTERVAL	CLINICAL INDICATION
Analyte	umol/L	(elevation)
7-dehydrocholesterol	(0.3 - 2.2)	SLOS
8-dehydrocholesterol	(0.2 - 3.7)	SLOS
cholestanol	(0.0 - 8.6)	CTX
desmosterol	(0.5 - 6.7)	desmosterolosis
lanosterol	(0.0 - 0.7)	Antley-Bixler syndrome-1
lathosterol	(0.0 - 0.0)	lathosterolosis
sitosterol	(1.7 - 34.7)	sitosterolemia

Notes: Cholestanol is 5 α -cholestan-3 β -ol. CTX is cerebrotendinous xanthomatosis. Lanosterol may be elevated in Antley-Bixler syndrome-1. Cholesterol biosynthesis disorders present with multiple congenital anomalies (most) or neurological symptoms with xanthomas (CTX). Sitosterol is elevated in sitosterolemia, which presents with xanthomas and accelerated atherosclerosis.



Laboratory:
Core Lab



Requisition:
GENERAL LABORATORY
REQUISITION



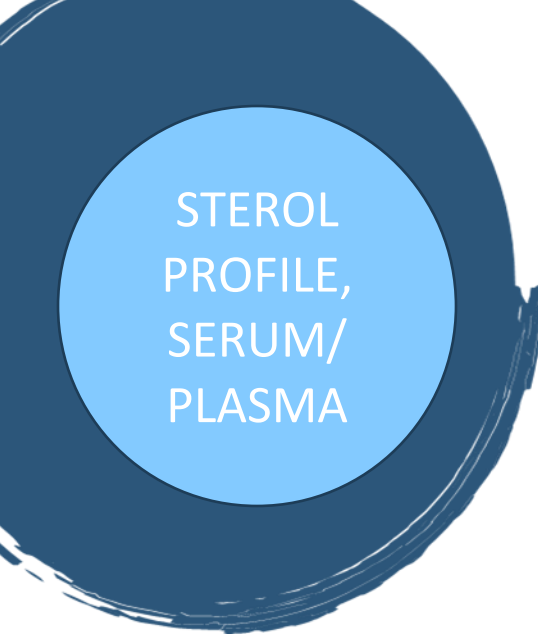
Method of Analysis:
Liquid Chromatography-
Mass Spectrometry
(LCMS)



Test Schedule:
Referred out Monday-
Thursday



Referred Out Location:
[In-Common Laboratories](#)



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Storage and Shipment:

Send sample frozen and keep protected from light at all times.