

1,25-
DIHYDROXY
VITAMIN D,
SERUM/
PLASMA

Orderable - 125VITD

Turnaround Time: 10 days

Alternate Name(s):

Calcitriol
1,25 diOH Vitamin D

Specimen:

Adult	Pediatric
5 mL Gold top Vacutainer tube	0-2 years: 2 x 0.5 mL Red or Gold top Microtainers 2-10 years: 3 mL Red top Vacutainer tube
Light Green top tubes (Li-heparin) or Lavender top tubes (EDTA) are also acceptable	

Collection Information:

Minimum volume of serum required is 400 µL for adult or pediatric samples.

Reference Ranges:

Age	Range
<1 year:	77-471 pmol/L
1 year - <3 years:	113-363 pmol/L
3 years - <18 years:	108-246 pmol/L
≥18 years:	60-208 pmol/L

Please note introduction of pediatric reference intervals as of March 11, 2022

Comments:

The test for 1,25 di-OH vitamin D is **not** useful to assess sufficiency of vitamin D from diet, supplements, and endogenous synthesis. The 25-OH vitamin D test would be more appropriate for that purpose.

Appropriate Indications for 1,25 di-OH Vitamin D Testing:



Laboratory:
Endocrinology Lab



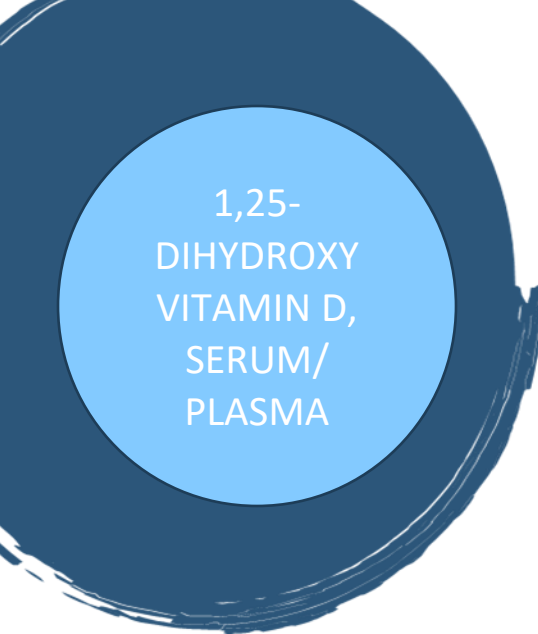
Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Diasorin
Chemiluminescence



Test Schedule:
Monday-Friday
0800-1600



1,25-
DIHYDROXY
VITAMIN D,
SERUM/
PLASMA

- **RENAL FAILURE**
- **RENAL TUBULOPATHY**
- **SARCOIDOSIS**
- **UNEXPLAINED HIGH PARATHYROID HORMONE LEVEL**
- **PEDIATRIC ENDOCRINOLOGY CONCERN** (E.g. vitamin D-dependent rickets)

When 1,25 di-OH vitamin D testing is being ordered in Cerner, one of these appropriate indications for testing will need to be selected to allow the order to proceed. The options will be: **Renal failure, Tubulopathy, Sarcoidosis, Unexplained hiPTH, Pediatric endocr.**

Storage and Shipment:

Store and ship serum/plasma frozen.