

## » Vitamin D



In order to support the growing need of clinical and medical laboratories looking for high quality and reliable reference standards for performing Vitamin D assays, Lipomed has developed a range of vitamin D and related metabolites which are available as ready-to-use calibrated forms (solutions and/or powders) and also as standard pack sizes such as 10 mg, 50 mg and 100 mg.

Vitamin D is known to play a vital role in bone health. It occurs in two forms, namely Vitamin D3 (Cholecalciferol) and Vitamin D2 (Ergocalciferol).

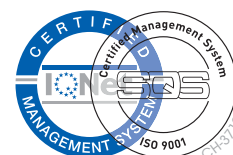
Both forms are hydroxylated in the liver to 25-Hydroxyvitamin D3 and 25-Hydroxyvitamin D2 which undergo a further hydroxylation process in the kidneys to yield the active forms of Vitamin D: 1,25-Dihydroxyvitamin D3 (Calcitriol) and 1,25-Dihydroxyvitamin D2.

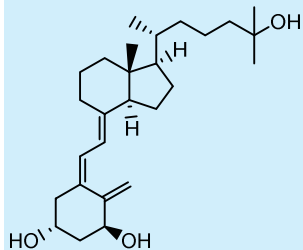
Owing to the short half-life in serum and detection issues related to the low circulating concentration range in blood at the pg/ml level of the 1,25-Dihydroxyvitamin D metabolites, measuring the total amount of 25-Hydroxyvitamin D forms (D3 and D2) is currently the indicator of choice for assessing vitamin D status in patients.

Vitamin D assays are performed in medical conditions such as:

- » Bone weakness
- » Bone malformation (rickets in children)
- » Abnormal metabolism of calcium (reflected by abnormal phosphorous PTH)
- » Parathyroid gland functioning
- » Cystic fibrosis and Crohn disease, inflammatory bowel disease
- » Gastric bypass surgery
- » Osteomalacia (fractures in adults), osteoporosis
- » Preterm children
- » Kidney transplantation

For more information, please check our website [www.lipomed.com](http://www.lipomed.com).





### 1,25-Dihydroxyvitamin D3 (shipment under ice)

Synonym : Calcitriol

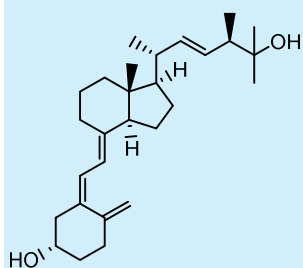
$C_{27}H_{44}O_3$

M.W.: 416.65

CAL-1625-0.005LI

0.005 mg/1 ml

calibrated solution in  
isopropanol



### 25-Hydroxyvitamin D2 (shipment under ice)

Synonym : 25-Hydroxyergocalciferol

$C_{28}H_{44}O_2$

M.W.: 412.66

VIT-1607-0.1LI

0.1 mg/1 ml

calibrated solution in  
isopropanol

VIT-1607-1LI

1.0 mg/1 ml

calibrated solution in  
isopropanol

VIT-1607-1

1.0 mg

calibrated powder

VIT-1607-10

10 mg

powder

VIT-1607-50

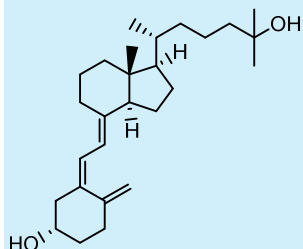
50 mg

powder

VIT-1607-100

100 mg

powder



### 25-Hydroxyvitamin D3 (shipment under ice)

Synonym : Calcifediol

$C_{27}H_{44}O_2$

M.W.: 400.65

VIT-1602-0.1LI

0.1 mg/1 ml

calibrated solution in  
isopropanol

VIT-1602-1LI

1.0 mg/1 ml

calibrated solution in  
isopropanol

VIT-1602-1

1.0 mg

calibrated powder

VIT-1602-10

10 mg

powder

VIT-1602-50

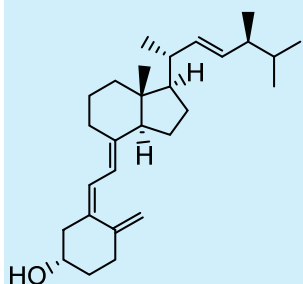
50 mg

powder

VIT-1602-100

100 mg

powder



### Vitamin D2 (shipment under ice for solution)

Synonym : Ergocalciferol

$C_{28}H_{44}O$

M.W.: 396.66

VIT-1608-1LI

1.0 mg/1 ml

calibrated solution in  
isopropanol

VIT-1608-1

1.0 mg

calibrated powder

VIT-1608-10

10 mg

powder

VIT-1608-50

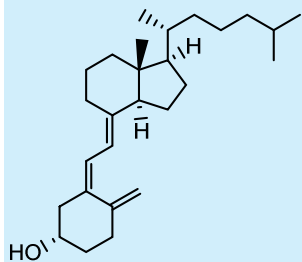
50 mg

powder

VIT-1608-100

100 mg

powder



**Vitamin D3 (shipment under ice for solution)**

Synonym : Cholecalciferol

$C_{27}H_{44}O$

M.W.: 384.65

VIT-1609-1LI	1.0 mg/1 ml	calibrated solution in isopropanol
VIT-1609-1	1.0 mg	calibrated powder
VIT-1609-10	10 mg	powder
VIT-1609-50	50 mg	powder
VIT-1609-100	100 mg	powder

# Lipomed MAIL/FAX Quotation & Order Form

## Contact Information

Bill to	Ship to (if different from invoicing address)
Customer/Company	Customer/Company
Department	Department
Address	Address
Contact Person	Contact Person
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State, Country	State, Country
Phone	Phone
Fax	Fax
E-Mail Address	E-Mail Address
No of pages (incl. this one)	Customer Account #
Date of Request	Purchase Order
Special instructions/Notes	

## Product List

Article-No.	Product Name	Qty	Unit Price	Total Price

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 E-Mail USA [ussales@lipomed.com](mailto:ussales@lipomed.com) | All other countries [lipomed@lipomed.com](mailto:lipomed@lipomed.com)  
 In case a permit is needed, please attach original permit along with your order and send it to Lipomed per mail.  
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## Ordering & other information

LIPOMED is a private Swiss **Health Care Company**. We are one of the leading companies for Analytical Reference Standards worldwide and specialized in the research, development and manufacturing of ethical pharmaceuticals and products for the treatment of rare diseases.

Since 1993 LIPOMED is dedicated to providing products and services of outstanding quality and expertise. We have our own GMP/GDP and ISO 9001 certified pharmaceutical production facilities in Arlesheim, near Basel. We are also ISO/IEC 17025 accredited for testing of Analytical Reference Standards and ISO Guide 34 accredited for the production of Reference Material.

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- » Antidepressants
- » Antipsychotics
- » Barbiturates
- » Benzodiazepines
- » Cannabinoids
- » Cathinones
- » Cocaines
- » Custom Mixtures
- » Hallucinogens
- » Opioids
- » Other CNS Depressants
- » Steroids
- » Vitamins

For information about LIPOMED's new Analytical Reference Standards, please visit our website [www.lipomed.com](http://www.lipomed.com).



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