



VITAMIN D (LCMS) - Test Code 1117



Turnaround Time: 12 business days



Specimen Type: 1x SST
Blood

Description

The Vitamin D Profile through LCMS (Liquid Chromatography-Mass Spectrometry) offers an accurate assessment of total vitamin D, including both D2 and D3. Vitamin D is crucial for bone health, immune function, and cellular processes like growth and differentiation (Chang & Lee, 2019). It is primarily synthesised in the skin upon exposure to sunlight and can also be obtained from foods like fatty fish, eggs, and fortified dairy products. There are two main forms of vitamin D: D2 (from plant sources, fortified foods) and D3 (from animal sources, sunlight). Both forms are converted into their active form by the liver and kidneys, however Vitamin D3 is converted more efficiently (Chang & Lee, 2019).

This LCMS test is valuable for providing a detailed and reliable measure of vitamin D levels (Bikle, 2018). It allows for a precise evaluation of both D2 and D3, which is not always possible with conventional methods (Bikle, 2018). Deficiency in vitamin D has been linked to a variety of health issues, including osteoporosis, cardiovascular disease, and autoimmune disorders (Chang & Lee, 2019). Regular monitoring of vitamin D status is essential for maintaining overall health and wellbeing.

Whats included?

- Vitamin D Total
- Vitamin D2
- Vitamin D3

Conditions and Symptoms

- Bone pain/ osteoporosis
- Muscle weakness
- Asthma
- Cancer
- Depression/ mood changes
- Cardiovascular disease
- Subfertility
- Frequent infections

Complementary Testing

- Thyroid Profile Extensive (Test Code 1114)
- Hair Mineral Analysis- Level 2 (Test Code 5014)

Accreditations Include:

- NATA ISO 15189 – Requirements for Quality and Competence in Medical Laboratories*
- CLIA – Clinical Laboratories Improvement Amendments*



info@nutripath.com.au



1300 688 522



www.nutripath.com.au

For more information
scan the QR code



*See NATA and CLIA website for further details