

Vanadium V

General:

Vanadium is found in fossil fuels, especially in fossil oil and can lead to higher concentrations in the lungs. Vanadium is commercially used as catalyst, high-grade steel additive and for dye production. Inhalation of dusts containing vanadium leads to irritation of nose, trachea and bronchial tract. The following tests are available:

- **Vanadium in serum**

Material: 1 ml serum

TAT: 2 weeks*

Method: ICPMS

Units: µg/l

Ref.- range: <1.1

- **Vanadium in urine**

Material: 10 ml urine

TAT: 2 weeks*

Method: IPMS

Units: µg/l

Ref.- range: up to 1.0

- **Vanadium in hair**

Material: 250 mg hair

TAT: 2 weeks*

Preanalytics: Human hair grows an average of 1.0 cm/month. Testing laboratories generally require between 2.0 and 3.0 cm length for testing, the tuft should be 1.0 cm in diameter. This represents approximately 30 to 90 days of drug use. In the absence of the required amount of hair on the scalp, body hair can be used as an acceptable alternative (face, chest, arm pit, and leg hair).

Method: IPMS

Units: µg/g

Ref.- range: 0.010 to 1.200

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit

<http://www.fml-dubai.com/parameter-listings/>