

Fluoride F

General:

Fluorine is used for aluminum and glass extraction processes, for A/C cooling processing industries as well as for wood preservation. In small quantities it is also present in drinking water (specific accumulation in fish and black tea). Furthermore anesthetics (enflurane, halothane) and toothpaste are enriched with fluorides. Nearly 90% absorption of fluorine occurs through the lung and gastrointestinal tract. An acute fluorine poisoning pre-sents with vomiting, diarrhea, coma or alveolitis (e.g. after leather sprays inhalation with perfluorocarbon polymers).

Indication: Therapy monitoring, intoxication.

The following tests are available:

- **Fluorine in serum**

Material: 1 ml serum

TAT: 7-10 days*

Method: ISE

Units: µg/l

Ref.- range: <30.0 therapeutic: 100 - 300

- **Fluorine in urine**

Material: 10 ml urine

Preanalytics: no glass containers!

TAT: 7-10 days*

Method: PHO

Units: mg/l

Ref.- range: <1.00

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit <http://www.fml-dubai.com/parameter-listings/>