

Theophylline

General:

Administering theophylline results in bronchospasmolysis, mast cell protection, central respiratory stimulation and stimulation of the respiratory musculature. Theophylline shows a small therapeutic range. Tachycardic arrhythmia and cramp attacks can appear after overdosage. The plasma half-life shows strong individual fluctuations. 90% of theophylline is biotransformed in the liver. Prolonged elimination periods in aged patients, in feverish infects, liver damage, Cor pulmonale, as well as in combination with other medication (cimetidine, macrolide-antibiotics, allopurinol).

Indication: monitoring

Material: 1 ml serum

TAT: 7-10 days*

Method: LCMS

Units: mg/l

Ref.- range: 8.0 - 20.0

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