Copyright Freiburg Medical Laboratory

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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/

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DAkkS Deutsche Akkreditierungsstelle D-ML-13455-01-00

Freiburg Medical Laboratory ME LLC is accredited according to DIN EN ISO 15189.

^ non-accredited parameter
*performed in a collaborating laboratory (Germany)