

# Caffeine

## General:

Together with theophylline and theobromine, caffeine belongs to methylxanthines. They show pharmacodynamic effects primarily on CNS (adenosine receptor antagonism), on smooth muscles (bronchodilatation, contraction of the meningeal vessels), on skeletal muscles (intensified contractions, e.g. the diaphragmatic muscles), on heart (positive chronotropic and ionotropic effect; high doses result in tachycardia and increased blood pressure) and on kidney (weak diuresis).

Indication: Therapy monitoring

Material: 1 ml serum

TAT: 7-10 days\*

Method: LCMS

Units: mg/l

Ref.range: 2.0-10.0

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