

Methotrexate

General:

As an antimetabolite, methotrexate blocks the formation of thymidine and purine due to its high affinity to dihydrofolate reductase. It is used in the prophylaxis or in combination with cyclosporine against rejection reactions and also can be effective in certain autoimmune and inflammatory disorders. High doses of methotrexate are used in cancer treatment. A reduction of methotrexate clearance occurs in renal and hepatic diseases as well as in conditions with secretion of acidic urine and can lead to toxic side effects.

Indication: Therapy monitoring

Material: 1 ml serum

TAT: 5-7 days*

Method: LCMS

Units: $\mu\text{mol/l}$

Ref.- range: see report

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