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PMN elastase

General:

PMN-elastase from human polymorphonuclear granulocytes is a glycoprotein of 30 kDa and belongs to the group of serine proteases. Active PMNelastase is released from azurophilic granules of neutrophil granulocytes after irritation or disintegration. The PMN elastase also has been described as prognostic parameter for bacterial infections, bone and joint complications in surgical patients.

The determination of the PMN-elastase in stool is used to record inflammatory reactions in which neutrophils are involved. Especially in Crohn's disease the inflammatory process and the increased phagocytic activity show similar dynamics. These processes lead to an increased release of PMN-elastase and other lysosomal enzymes.

The following tests are available:

- **PMN-elastase in EDTA plasma**

  Material: 1 ml EDTA, frozen
  TAT: 5-7 days*
  Method: EIA
  Units: ng/ml
  Ref.- range: 19 – 78

- **PMN-elastase in stool**

  Material: 5 g stool
  TAT: 5-7 days*
  Method: EIA
  Units: ng/ml stool
  Ref.- range: <62

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

Updated 25/05/2024

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)