



ELIZEN MPO

**Immunoenzymometric assay
for the quantitative
determination of
Human myeloperoxidase
in EDTA plasma**



ORDERING INFORMATION

Code : **E-HB-96**

Package Size : 96 determinations



Indications

- Myeloperoxidase is used as a biomarker for the measurement of
 - Neutrophil activation,
 - Inflammation,
 - REDOX imbalance.
- Myeloperoxidase has shown very positive results in the prognostic and diagnostic of cardiovascular diseases, kidney diseases, haemodialysis, gastrointestinal diseases, Chronic Obstructive Pulmonary Diseases and Cystic fibrosis.

Features

- One of the most easy-to-use MPO Elisa test on the market
- High stability of reagents, even reconstituted
- High reproducibility due to validated pre-analytical method*

Performance characteristics

- Detection limit: 0.21 ng/mL
- Measuring range: 0-40 ng/mL
- Inter-assay CV: <2.2%

Kit contents

	Quantity	Physical state
Microtiterplate	1 x 96 breakable wells	Ready for use
6 calibrators 0 – 5	6 x 1.5 ml	Lyophilized
2 control sera	2 x 1.5 ml	Lyophilized
HRP conjugate	1 x 15 ml	Ready for use
Sample diluent	1 x 53 ml	Ready for use
Washing Solution	1 x 100 ml	Concentrated 10 x
Chromogenic substrate	1 x 15 ml	Ready for use
Blocking Reagent	1 x 15 ml	Ready for use
Plate sealers	3 x	-

* We strictly recommend to use EDTA plasma to avoid any influence of time elapsed between sampling and centrifugation and anticoagulant's type.



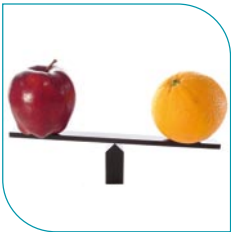
Zentech s.a.
Liège Science Park
Avenue du Pré-Aily,10
B-4031 Angleur • Belgium
Tel : +32 (0)4 361 42 32
Fax : +32 (0)4 367 00 63
info@zentech.be
http://www.zentech.be



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INFLAMMATION

ELIZEN MPO



Assay procedure

ELIZEN MPO is a sensitive solid phase two-site enzyme linked immunosorbent assay. The microtiter plates are coated with a polyclonal antibody to human MPO. Patient sample prior diluted is added into the wells and incubated. After carefully washing of the microplate wells, an enzyme coupled to an antibody to human MPO is added in the wells and incubated.

After washing away any unbound enzyme coupled anti-MPO antibody, the enzyme activity is measured by adding a chromogen substrate. The reaction is stopped and the intensity of colour development, proportional to the concentration of MPO in the patient sample, is measured at 405 and 450nm with a spectrophotometer.

Reagents	Quantity
Samples	100 µL (dilution 1/21)
Calibrators and controls	100 µL
Incubation 37°C	60 min
Washing	4 x 300 µL
HRP conjugate	100 µL
Incubation 37°C	60 min
Washing	4 x 300 µL
Chromogenic substrate	100 µL
Incubation 37°C	15 min
Blocking reagent	100 µL

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