

## Rheumatism Diagnostic Parameters

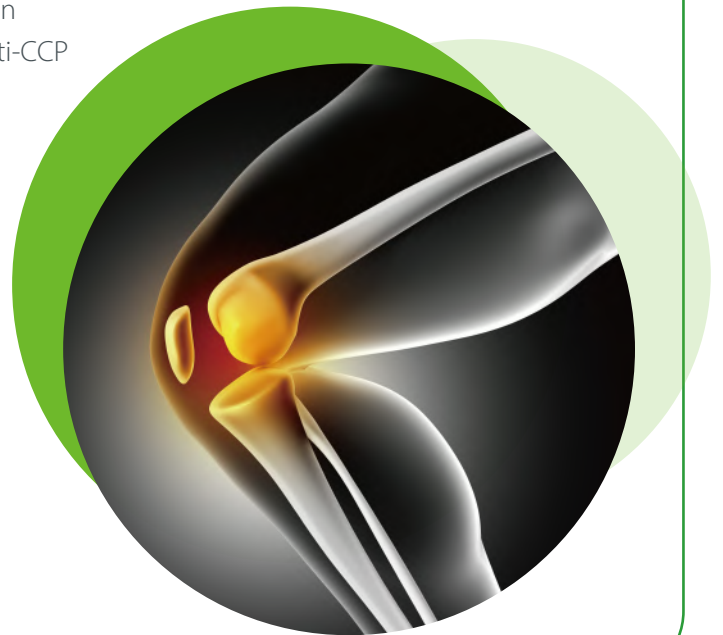
The American College of Rheumatology (ACR) and the European League Against Rheumatism (EULAR) recommends RF and CCP antibodies (Anti-CCP) as one of the diagnostic criteria of rheumatoid arthritis (RA).

**Anti-cyclic citrullinated peptide antibody (Anti-CCP)** is an important indicator for early diagnosis of RA with high specificity and relatively low sensitivity. They are suitable for the identification of patients with non-specific polyarthritis, and can distinguish between traumatic and non-traumatic joint diseases. In addition, anti-CCP antibodies predict the occurrence of bone erosion.

**Rheumatoid factor (RF)** is a group of autoantibodies that can recognize the Fc segment of denatured immunoglobulin IgG, mainly including three subtypes: RF-IgM, RF-IgG, and RF-IgA.

RF classification is related to clinical symptoms and prognosis of RA.

- (1) High titers of RF-IgM are associated with RA progression and poor prognosis;
- (2) RF-IgG is related to synovitis, vasculitis and joint symptoms in RA patients;
- (3) RF-IgA is related to the severity of arthritis symptoms and bone destruction in RA patients.



### Target population

1. People with a family history of rheumatism;
2. People with early symptoms of rheumatic diseases, such as joint pain, swelling, morning stiffness, etc;
3. Long-term heavy smokers and passive smokers, alcoholics or those with other special addictive hobbies;
4. Residents who have lived for a long time in areas that are relatively humid and hot or are of other special conditions;
5. People who have frequent contact with water for a long time, such as hairdressers, crew members, farmers, and those who work in the catering industry, it is recommended to choose rheumatism examination during regular physical examination.

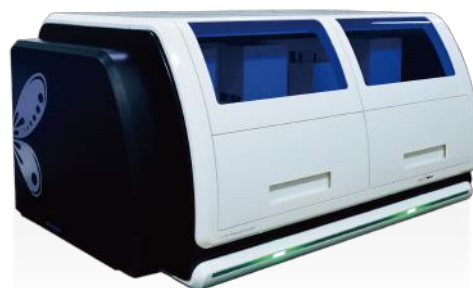
## Chemiluminescence Diagnostic Platform



**MQ 60smart**



**MQ 60proB**



**MQ 60plus**

### **PRECISE**

- ALP-AMPPD magnetic particle chemiluminescence
- Multiple quality controls available
- CV batch-to-batch  $\leq 5\%$

### **FLEXIBLE**

- Free parameters combination
- Standalone testing units

### **ECONOMY**

- Single cartridge, no hidden cost
- No liquid circuit
- Limited maintenance

### **COMPACT**

- Compact design suitable for small to large laboratories and clinical departments
- Diverse parameters covering rheumatism, cardiac, tumor, fertility, thyroid and other markers

### **USER-FRIENDLY**

- Large touch screen
- Fully automated, simple steps for operation

Product Name	Clinical Significance	Methodology	Certification	Test Time	Sample Type
Rheumatoid factor IgA test	Correlated with severity of arthritis symptoms and bone destruction in RA patients	CLIA	NMPA	22min	Serum, plasma
Rheumatoid factor IgG test	Associated with synovitis, vasculitis, and joint symptoms in RA patients	CLIA	NMPA	22min	Serum, plasma
Rheumatoid factor IgM test	Associated with RA progression and prognosis status	CLIA	NMPA	22min	Serum, plasma
Anti-cyclic citrullinated peptide test	Important indicators for early diagnosis of RA	CLIA UPT ELISA CG	NMPA NMPA, CE NMPA, CE NMPA, CE	22min 15min 90min 15min	Serum, plasma