

# ANCA

## Orderable - ANCA

Turnaround Time: 3 days

STAT: STAT testing must be pre-arranged with the Clinical Immunology Lab by calling ext. 33097

### Alternate Name(s):

P-ANCA / Anti-MPO (anti-myeloperoxidase antibody)

C-ANCA / Anti-PR3 (anti-proteinase antibody)

### Specimen:

Adult	Pediatric
5 mL Gold top Vacutainer tube or 6 mL Red top EDTA, heparin or citrate plasma tube	0-2 years: Red 0.5 mL Microtainer 2-10 years: 3 mL Red top tube

### Collection Information:

Minimum volume of serum required is 0.5 mL.

### Reference Ranges:

Negative:  $\leq 19$  RU/mL

### Interpretive Comments:

cANCA and pANCA are two fluorescence patterns that are associated with a number of antibodies. Our current methodology of ELISA detects anti MPO (a major antibody for pANCA) and anti PR3 (a major antibody for cANCA) only.

ANCA testing is mainly indicated in patients with a tentative or a definite diagnosis of primary SVV (small vessel vasculitis).

C-ANCA/PR-3 antibodies prevail in patients with Granulomatosis with polyangiitis (Wegener's granulomatosis) (GPA),(80-95% of the patients).

P-ANCA/MPO antibodies prevail in patients with Microscopic polyangiitis (MPA), Eosinophilic granulomatosis with polyangiitis (Churg-Strauss syndrome) (EGPA) and renal-limited vasculitis SVV etc.



**Laboratory:**  
Clinical Immunology Lab



**Requisition:**  
[CLINICAL IMMUNOLOGY REQUISITION](#)



**Method of Analysis:**  
Euroimmun Analyzer I-ELISA



**Test Schedule:**  
Wednesday and Friday

For STAT samples:  
Availability of STAT testing is 0700-1500, Monday to Friday. STAT testing must be pre-arranged with the Immunology Lab by calling ext. 33097. After working hours, pre-approval by the biochemist on-call (pager number 19682) is required.



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## Comments:

A single autoantibody test is not diagnostic and should not be used to determine course of treatment. The test result must be evaluated with consideration of clinical presentation, patient history and other laboratory tests.

## Critical Information Required:

STAT testing is for first diagnosis purposes only: patient monitoring will not be considered STAT.

STAT testing includes MPO, PR3 and GBM.

For STAT testing of MPO, PR3 and GBM a diagnosis of Granulomatosis with polyangiitis (Wegener's granulomatosis), Microscopic polyangiitis, Goodpasture syndrome or admitting symptoms of acute kidney failure or pulmonary distress must be provided for testing to commence.

## Storage and Shipment:

Inter-campus – Ship via routine or stat specimen transport.

Serum can be stored for up to 4 days at 2 – 8°C. For longer storage, store at -20°C.

Intercity – Freeze and store serum samples at -20°C. Ship on ice packs. Avoid freeze/thaw cycles.