



Memo to: Healthcare Personnel
From: Alverno Clinical Laboratories, General Laboratory Department
Subject: **New test beginning March 31, 2009– ANCA VASCULITIS PANEL**

We are pleased to announce a new service for our healthcare providers, the ANCA Vasculitis panel. This panel consists of Myeloperoxidase antibody (MPO) and serine protease antibody (PR3) tests. These antibodies may be ordered individually or as part of the panel.

Previously ANCA autoantibodies were detected by indirect immunofluorescence. The two major patterns of immunofluorescent staining observed are cANCA (classical cytoplasmic staining) and pANCA, (perinuclear pattern). Other staining patterns are noted as atypical ANCA.

The target autoantigen associated with cANCA has been identified as Proteinase 3 (PR3). The presence of PR3 autoantibody is suggestive of Wegener's granulomatosis (WG). Antibodies producing the pANCA pattern are directed against different cytoplasmic antigens and are not specific for a single disease entity, but tend to be associated with disease groups which show several common clinical and histological features. pANCA occurs in such conditions as vasculitis, glomerulonephritis, Churg-Strauss syndrome, polyarteritis nodosa, SLE, rheumatoid arthritis and associated disorders. MPO is a major antigen of pANCA.

Please note: We will convert from the current ANCA testing by indirect immunofluorescence to a Multiplex flow immunoassay method reporting MPO and PR-3 only. This results in reporting and reference value changes. Results will be reported as an Antibody Index rather than pattern and titer.

New Reference Values:

Proteinase 3 Antibody IgG (PR3) and Myeloperoxidase Antibody IgG (MPO):	
<1.0 AI	Negative
>/= 1.0 AI	Positive

SPECIMEN COLLECTION

Specimen requirements: ANCA Vasculites panel: 1 mL serum
MPO: 1 mL serum
PR3: 1 mL serum

Specimen stability: 7 days refrigerated, 1 month frozen

Unacceptable Conditions: Hemolyzed or Lipemic.

Soft order code:	ANCA Vasculitis Panel	ANCAV
	Myeloperoxidase antibody	MPO2
	Proteinase 3 antibody	PR3