### Lab Dept: Serology

**Test Name:** CYTOPLASMIC NEUTROPHIL ANTIBODIES

#### General Information

**Lab Order Codes:** CNAB

**Synonyms:** Anticytoplasmic Antibody; ACPA (Anti-Neutrophil Cytoplasmic Antibodies); Cytoplasmic Neutrophil Ab; ANCA; P-ANCA; Perinuclear anti-neutrophil cytoplasmic antibody (pANCA); Wegener’s Disease; Wegener’s Granulomatosis (WG)

**CPT Codes:**
- 86255 - Fluorescent noninfectious agent antibody; screen each antibody
- 86256 - Fluorescent noninfectious agent antibody; titer, each antibody (if positive)

**Test Includes:** Screens for pANCA and cANCA. If positive for cANCA, results will be titered.

#### Logistics

**Test Indications:** Evaluation of patients suspected of having WG or systemic vasculitis, especially patients with renal disease, pulmonary disease, or unexplained multiorgan disease possibly due to vasculitis.

**Lab Testing Sections:** Serology - Sendouts

**Referred to:** Mayo Medical Laboratories (Test: ANCA)

**Phone Numbers:**
- MIN Lab: 612-813-6280
- STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 2 - 4 days

**Special Instructions:** This test should not be mistaken for granulocyte antibodies.

#### Specimen

**Specimen Type:** Blood

**Container:** SST (Gold, marble or red) tube
Draw Volume: 2.4 mL (Minimum: 1.2 mL) blood

Processed Volume: 0.8 mL (Minimum: 0.4 mL) serum

Collection: Routine blood collection

Special Processing: Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship specimen refrigerated. Forward promptly.

Patient Preparation: None

Sample Rejection: Gross hemolysis; gross lipemia; mislabeled or unlabeled specimens

**Interpretive**

Reference Range: Negative. If positive for cANCA, results are titered.

**Note:** This test should not be mistaken for granulocyte antibodies

Critical Values: N/A

Limitations: Measurements of cANCA titers should not be relied upon exclusively to determine the activity of disease and response to treatment in patients with WG.

Positive pANCA results are not specific for anti-MPO antibodies.

Positive ANCA results (pANCA and rarely cANCA) may occur in patients with diseases other than WG or vasculitis including Goodpasture’s syndrome and lupus erythematosus.

Results of tests for ANCA should, therefore, be considered along with other clinical, laboratory, and histopathologic data in establishing the diagnosis of WG or systemic vasculitis.

Methodology: Indirect Immunofluorescence

References: [Mayo Medical Laboratories Web Page](December 2017)

Updates: 12/20/2017: Collection container update
12/31/2018: Specimen volume update from Mayo.