

Pernicious Anemia Cascade, Serum

Test ID: ACASM

Explanation: On the effective date, the following changes will be made to Pernicious Anemia Cascade, Serum (ACASM) assay.

Current Specimen Required

Patient Preparation:

1. This test should not be performed on patients who have received a vitamin B12 injection or radiolabeled vitamin B12 injection within the previous 2 weeks.
2. Patient should be fasting for 8 hours.
3. If medically feasible, proton pump inhibitor (omeprazole, lansoprazole, dexlansoprazole, esomeprazole, pantoprazole, and rabeprazole) therapy should be discontinued 1 week before measurement of serum gastrin levels.
4. Drugs that interfere with gastrointestinal motility (eg, opioids) should be discontinued for at least 2 weeks before serum gastrin testing.

Collection Container/Tube:

Preferred: Red top

Acceptable: Serum gel

Submission Container/Tube: Plastic vial

Specimen Volume: 4 mL

Collection Instructions:

1. Centrifuge, divide specimen into 3 plastic vials: 1 containing 1 mL of serum (label as PAGAS); 1 containing 1.5 mL of serum (label as PAMMA); 1 containing 1.5 mL of serum (label as B12PA).
2. Band specimens together.

New Specimen Required

Patient Preparation:

1. Patient should fast for 8 hours.
2. For 12 hours before specimen collection, patient **should not** take multivitamins or dietary supplements (eg, hair, skin, and nail supplements) containing biotin (vitamin B7).
3. For 1 week before specimen collection, if medically feasible, patient **should not** be take proton pump inhibitors (omeprazole, lansoprazole, dexlansoprazole, esomeprazole, pantoprazole, and rabeprazole).
4. For at least 2 weeks before specimen collection, patient **should not** take or receive drugs that interfere with gastrointestinal motility (eg, opioids).

Collection Container/Tube:

Preferred: Serum gel

Acceptable: Red top

Submission Container/Tube: Plastic vial

Specimen Volume: 3 mL

Collection Instructions:

1. Centrifuge, divide specimen into 3 plastic vials:
Vial 1 (B12PA): 1 mL of serum
Vial 2 (PAMMA): 1.5 mL of serum
Vial 3 (PAGAS): 0.5 mL of serum
2. Band specimens together and send frozen.

Questions

Contact Bethany Feind, Laboratory Resource Coordinator at 800-533-1710.