Vitamin B<sub>12</sub> Deficiency Evaluation

ACASM / Pernicious Anemia Cascade
Testing begins with Vitamin B<sub>12</sub> Assay, Serum

- >400 ng/L
- <150 ng/L
- 150-400 ng/L

No further testing is performed. Result does not suggest vitamin B<sub>12</sub> deficiency.

- ≤0.4 nmol/mL
- >0.4 nmol/mL

INDETERMINATE

Methylmalonic acid

Result does not suggest pernicious anemia as the cause of vitamin B<sub>12</sub> deficiency.

- >200 pg/mL
- ≤200 pg/mL

Gastrin

Result consistent with pernicious anemia.

POSITIVE

INDETERMINATE

NEGATIVE