Vitamin B$_{12}$ Deficiency Evaluation

ACASM / Pernicious Anemia Cascade
Testing begins with Vitamin B$_{12}$ Assay, Serum

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

No further testing is performed. Result does not suggest vitamin B$_{12}$ deficiency.

- ≤0.4 nmol/mL Methylmalonic acid
- >0.4 nmol/mL

This value implies that there is no deficiency of vitamin B$_{12}$ at the cellular level.

Intrinsic factor blocking antibody

- POSITIVE
- INDETERMINATE
- NEGATIVE

Gastrin

- >200 pg/mL
- ≤200 pg/mL

Result consistent with pernicious anemia.

Result does not suggest pernicious anemia as the cause of vitamin B$_{12}$ deficiency.