Erythrocytosis Evaluation
Testing Algorithm

Testing begins with: PVJAK / Polycythemia Vera, JAK2 V617F with Reflex to JAK2 Exon 12-15, Sequencing for Erythrocytosis, Varies

Collect specimens for both:
■ PVJAK / Polycythemia Vera, JAK2 V617F with Reflex to JAK2 Exon 12-15, Sequencing for Erythrocytosis, Varies
■ EPO / Erythropoietin, Serum *

Patient presents with:
■ Polycythemia
■ Elevated hemoglobin and hematocrit

POSITIVE

Acquired erythrocytosis

NEGATIVE

Life-long/familial erythrocytosis

Polycthyemia vera/chronic myeloproliferative neoplasm

Order test REVE1 / Erythrocytosis Evaluation, Whole Blood With possible reflex to:
■ Alpha globin gene sequencing
■ Beta globin gene sequencing
■ Hereditary erythrocytosis mutations (EGLN1, EPAS1, EPOR)
■ von Hippel-Lindau (VHL) gene, full gene analysis
■ BPGM full gene sequencing
■ Alpha-globin gene analysis
■ Gamma globin full gene sequencing
■ Beta globin cluster locus deletion/duplication

* Erythropoietin level will be utilized in REVE1 interpretation