Leukocyte Alkaline Phosphatase (LAP) Score
#9699

EXPLANATION: With the advancement of molecular testing, a blood smear LAP score to
distinguish chronic myelogenous leukemia (CML) from other myeloproliferative neoplasms and
benign etiologies provides no real clinical or diagnostic value. This assay will become obsolete
on September 15, 2010.

RECOMMENDED ALTERNATIVE TEST:

- If CML is a consideration, ordering #89006/ BCR/ABL, mRNA Detection, Reverse
  Transcription-PCR (RT-PCR), Qualitative, Diagnostic Assay on peripheral blood would
  be appropriate.

- If polycythemia vera (PV) or other myeloproliferative neoplasms are part of the
differential diagnosis, ordering #88715/ JAK2 V617F Mutation Detection, Blood would
  be appropriate.

NOTE: Additional information can be found at mayomedicallaboratories.com
Hot Topic; Optimizing Laboratory Testing for Hematologic Disorders Series: Leukocyte
Alkaline Phosphatase (LAP) Stain.

QUESTIONS: Contact your Mayo Medical Laboratories’ Regional Manager or
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