

TABLE 63-1 Laboratory Tests in Anemia Diagnosis

I. Complete blood count (CBC)

A. Red blood cell count

1. Hemoglobin
2. Hematocrit
3. Reticulocyte count

B. Red blood cell indices

1. Mean cell volume (MCV)
2. Mean cell hemoglobin (MCH)
3. Mean cell hemoglobin concentration (MCHC)
4. Red cell distribution width (RDW)

C. White blood cell count

1. Cell differential
2. Nuclear segmentation of neutrophils

D. Platelet count

E. Cell morphology

1. Cell size
2. Hemoglobin content
3. Anisocytosis
4. Poikilocytosis
5. Polychromasia

II. Iron supply studies

A. Serum iron

B. Total iron-binding capacity

C. Serum ferritin

III. Marrow examination

A. Aspirate

1. M/E ratio^a
2. Cell morphology
3. Iron stain

B. Biopsy

1. Cellularity
2. Morphology

^aM/E ratio, ratio of myeloid to erythroid precursors.