

## **NHANES 1999-2000 Public Data Release File (June 2002)**

### **Complete Blood Count with 5-part Differential**

#### **Description**

The Beckman Coulter® MAXM instrument in the MEC produces a complete blood count on blood specimens and provides a distribution of blood cells for all participants.

#### **Eligible Sample**

Participants 1+ years of age

#### **Examination Protocol**

Detailed specimen collection and processing instructions are discussed in NHANES Laboratory/Medical Technologists Procedures Manual (LPM). The analytical method used by MEC medical technologists is in the Analytic Methodology section.

#### **Analytic Methodology**

The methods used to derive CBC parameters are based on the Beckman Coulter® method of counting and sizing, in combination with an automatic diluting and mixing device for sample processing, and a single beam photometer for hemoglobinometry. The WBC differential uses VCS technology. See Chapter 7 of the NHANES Laboratory/Medical Technologists Procedures Manual for details.

