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Control Statistics; Interpretation of Quality Control Data; Westgard Multirules; Typical Steps Taken When a Control Is Outside Acceptable Range*; Calibration; Test Performance Specifications and Verification; Diagnostic Value of a Test; Other Components of a QA Program; CLIA Requirements for Procedure Manuals; Ethical and Legal Issues; Commonly Used Prefixes in the Metric System; General Laboratory Calculations

Section 2 Clinical Chemistry ReviewComparison of Conventional and SI Units for Selected Reference Ranges; Examples of Patient Variables That May Affect Chemistry Values; Examples of Preanalytical Factors That May Affect Chemistry Results; Differences in Analyte Concentrations; Photometric Methods; Visible Light; Wavelengths Used in Spectrophotometry; Chromatography*; Other Analytic Techniques; Steps in Automated Analysis; Chemistry Panels; Carbohydrates, Lipids, and Proteins; Regulation of Glucose; Diabetes Mellitus; Tests for Diabetes Mellitus

Typical Laboratory Findings in Uncontrolled Diabetes MellitusMetabolic Syndrome; Aminoacidopathies; Protein Electrophoresis; Common Serum Protein Electrophoresis Patterns; Nonprotein Nitrogen Compounds; Major Electrolytes; Other Electrolytes; Iron and Related Tests; Factors That Influence Enzymatic Reactions; Enzymes of Clinical Significance; Summary of Diagnostic Enzymology; Cardiac Markers for Diagnosis of Acute Myocardial Infarction; Other Cardiac Tests; Bilirubin Metabolism; Unconjugated Versus Conjugated Bilirubin; Differential Diagnosis of Jaundice; Pituitary Hormones

Thyroid and Parathyroid Hormones

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