



Clinical Chemistry Laboratory Manual, 1e

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Clinical Chemistry Laboratory Manual, 1e Najih Naser PhD, Saleh A. Naser PhD C(ASCP) MT(ASCP) CLINICAL CHEMISTRY LABORATORY MANUAL is the only professionally published resource for clinical chemistry laboratory procedures. It includes a series of 19 "labs" and 50 exercises focusing on common automated and manual clinical chemistry testing procedures for glucose, electrolytes, enzymes, bilirubin, total protein, urea nitrogen, and more. Each lab opens with a discussion of the principle of the test, the reagents used in the test, the specimens used, the material and equipment needed, and an outline of the procedure. Following the explanation of the lab are two to four written exercises that ask students to record their findings, observations, results, and comments. Each lab is concluded by a series of review questions about the labs. These questions are also suitable for use as assignments, and they are similar in format to those on the MT and MLT board exams.

The only professionally prepared laboratory manual for clinical chemistry available. Written and designed to offer MT and MLT programs maximum flexibility material and equipment discussions are treated generically so schools can match the text with the equipment and resources available to their students on campus and in the hospitals. Includes complete coverage of the major tests used in clinical chemistry labs. Laboratory exercises are broken down into manual and automated procedures, so instructors have the option of assigning one or the other or both as materials and equipment at their institutions allow. In addition to labs covering the common clinical chemistry tests, the first labs of the book introduce students to the instrumentation involved in chemistry, such as autoanalyzers and spectrophotometers. A special opening chapter on laboratory safety is included. A section discussing the operation, maintenance, and troubleshooting of clinical chemistry instrumentation includes exercises and sample problems, giving students the necessary background to perform the other procedures in the text. Includes explanation of procedures, exercises, and sample problems that are similar in format to board exam questions. 19 different procedures are covered in detail, giving students exposure to the full range of tests commonly performed in the clinical chemistry laboratory. Perforated and three-hole punched, so students can tear out and turn in completed laboratory assignments, as well as save them in a three-ring binder once they are returned. Appendices include a list of where instructors can order the supplies used in the manual, as well as answers to the review questions.

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