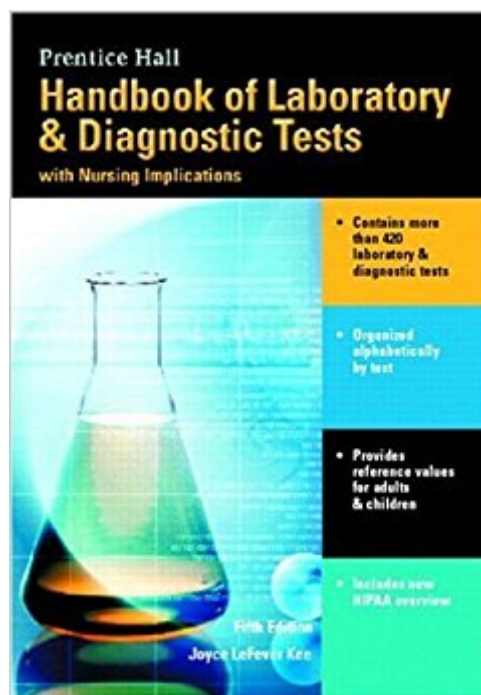




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# Prentice Hall Handbook Of Laboratory And Diagnostic Tests With Nursing Implications (5th Edition)



## Synopsis

This reference handbook provides quick, pertinent information on laboratory and diagnostic tests with nursing implications and client teaching. It is extremely user-friendly. Laboratory and diagnostic tests are represented separately and organized in alphabetical order for easy location within the text. Emphasis on reference values and normal findings, descriptions, purposes, procedures, clinical problems and drug effects, factors affecting test results, nursing implications and client teaching. Data for diagnostic tests includes CT; MRI; various stress/exercise tests; bone density; colonoscopy; sigmoidoscopy; echocardiography, nuclear scans, ultrasonography and others. New laboratory and diagnostic tests include amyloid beta protein precursor (Alzheimer's Disease Markers), SARS, fetal nonstress test, pacemaker monitoring, sleep studies, sex chromatin mass, thoracoscopy and many more. Appropriate as a reference tool for physician assistants, laboratory technicians, and graduate nurses practicing in various clinical settings.

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**PREFACE** Each day hundreds of thousands of laboratory and diagnostic tests are performed. Longevity and high technology promote the use of sensitive tests to monitor all clients' well-being and to make specific diagnoses. As a health provider, you have the critical responsibility of staying current with the many facets of high-quality client care. The Handbook of Laboratory and Diagnostic Tests with Nursing Implications, 4th edition, gives information about the commonly ordered laboratory and diagnostic tests, along with nursing implications and client teaching. It gives quick, pertinent information about the tests, emphasizing their purposes, the procedures, the clinical problems associated with disease entities and drugs related to abnormal test results, as well as nursing implications together with client teaching. Reference values are given for children, adults, and the elderly. Because the reference text is a handbook in pocket form, it can be easily carried to clinical settings. This text is appropriate for students in various types of nursing and non-nursing programs, including medical technology programs, baccalaureate and nursing programs, associate degree programs, diploma programs, and practical nursing programs. This book is most valuable to the nurse practitioner, registered nurse, and licensed practical nurse in hospital settings, including specialty areas such as intensive care units, emergency rooms, clinics, health care provider offices, and independent nursing practices.

**THE FOURTH EDITION** The fourth edition of the handbook lists more than 400 laboratory and diagnostic tests, including 26 new tests that have been added to this edition. These are the major additions and revisions: New laboratory and diagnostic tests have been added, such as atrial natriuretic hormone; hemoglobin A1C; international normalized ratio (INR); mumps antibody, rabies antibody, toxoplasmosis antibody, rotavirus antigen, and other antibody and antigen tests; opiates detection; prealbumin assay; platelet aggregation and adhesions; glucose self-monitoring devices; glucagon; viral culture; biopsy (bone marrow, breast, endometrial tissue, kidney, and liver); bone densitometry; cervicography; colposcopy; hysteroscopy; and many more. Lists of all laboratory and diagnostic tests with page numbers are found at the

beginning of Part One, Laboratory Tests, and Part Two, Diagnostic Tests. Laboratory test values have been updated, as needed, to current values. Reference values may differ among institutions. These values are guidelines; persons should check with their institutions' laboratory policies and reference values for the tests. Latest tests for human immunosuppressive virus-type (HIV-1 and HIV-2) have been included. Updated data are given for diagnostic tests: magnetic resonance imaging (MRI), gastric analysis, nuclear scans, various stress/exercise tests (treadmill exercise ECG, exercise myocardial perfusion imaging test thallium/technetium stress test, nuclear persantine stress test, nuclear dobutamine stress test), Pap smear, positron emission tomography (PET), echocardiography, Holter monitoring, pulmonary function tests, and ultrasonography. Factors affecting laboratory tests and diagnostic tests have been added. Client teaching has been added to Nursing Implications for all laboratory and diagnostic tests. Appendix A has been updated with current laboratory test values and added reference values for new tests. Appendix B has also been updated with new laboratory and diagnostic tests for previous health problems and two additional health problems: pregnancy and fetal distress; and gynecologic problems. Updated laboratory and diagnostic tests related to clinical problems are in Appendix B. ORGANIZATION Each test is presented in the following sequence: name(s) of test; reference values and normal findings for adults, children, and elderly; description of the test; purpose(s); clinical problems related to the test; the effects of any medication on test results; procedure; factors affecting laboratory and diagnostic test results; and nursing implications with client teaching. There are two parts in the text; Part I: Laboratory Tests and Part II: Diagnostic Tests; and three appendixes. Appendix A, Laboratory Test Values for Adults and Children, provides an alphabetical list of tests found in the text as well as tests that are frequently ordered. It includes the types of specimens, such as blood, plasma, serum, urine, and feces, as well as the color-top tube used for collections of venous blood. Appendix B, Clinical Problems with Laboratory and Diagnostic Tests, lists laboratory and diagnostic tests usually ordered for diagnosing common health problems. Appendix C, Therapeutic Drug Monitoring (TDM), lists over 100 drugs with their serum therapeutic range, peak time, and toxic level. Joyce LeFever Kee, RN, MSN --This text refers to an out of print or unavailable edition of this title.

very disappointed in this transaction that never took place. Why would u list an item for sale that u don't have espically a book for college? Waited a week to contact me to say she didn't have it so i had to start all over. Most people need to know that a little sooner to make other arrangements.

I like it thank you!

Very helpful in understanding why certain lab tests are performed. Good information about what out of range would mean for each test.

what i needed

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Every nurse and nursing student should have a copy of this reference. Laboratory and diagnostic tests are presented in separate sections, with material in each listed in alphabetical order. Each entry gives reference values (normal ranges or findings for adults and children); description of the element being tested and consequences of deviations from normal range; purposes of the test; potential clinical problems related to deviations, including drugs that may influence values; procedures for specimen collection and/or preparation for the test; related nursing diagnoses; and detailed nursing implications. In an era of rapidly increasing breadth of laboratory and diagnostic tests and related responsibilities of nurses, the nurse's role has become critical for optimum efficacy of such tests. This edition is compact yet concise, a quick reference that does not sacrifice thorough coverage of information, and the spiral binding enhances ease of use. I have had a copy of each edition since the initial publication, and I consider it to be one of the few references that I can't live without.

Complete diagnostic test, especially CBC. Plus, good study guide because it lists what is normal for male, female, child and adults

this book is a nursing students MUST! Its organized, its very clear, and its accurate. This book will help you through your first year of clinicals and some!

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