

## [Davis's Comprehensive Manual Laboratory and Diagnostic Tests](#)

This book provides you with all the information you need to understand how laboratory and diagnostic tests work, interpret their results, and care for the patient throughout the process. When using this guide, consider the following tips for quick and easy navigation:

1. Use the Epub version of this book
2. Open the book's navigation tool and select 'studies'.



3. Studies are broken down alphabetically, so expand the letter that corresponds to the first letter in the name of your test and then scroll down until you find the test you're looking for.

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Each diagnostic test in the manual includes the following information:

General Information about the Diagnostic Test	
Name of diagnostic test	The name of the test (may also be the diagnosis / levels it indicates).
Synonym / Acronym	Alternative or shortened names for the diagnostic test
Rationale	Why the test is performed
Patient preparation	What the patient needs to do in order to prepare for the test (like fasting before the test)
Normal findings	Characteristics of normal results (i.e. results that do not indicate the presence of related disorders).
Critical findings and potential interventions	Critical levels and what actions to be taken

<b>Overview</b>	General description of the test, the roles of the things it measures, and what variations in the test results indicate.
<b>Indications</b>	When the test should be used
<b>Interfering factors / contraindications</b>	Potential problems with the test or cases in which it should not be performed
<b>Factors that may alter the results of the study</b>	Factors that may affect the results with a description of how those factors would affect it.
<b>Potential medical diagnosis: Clinical significance of results</b>	The issues / disorders that may be indicated by results in the test
<b>Nursing Implications</b>	
<b>Before the study: Planning and implementation</b>	Includes sections on such topics as teaching the patient what to expect, and potential nursing actions.
<b>After the study: Potential nursing actions</b>	Includes sections on such topics as avoiding complications, treatment considerations, safety considerations, nutritional considerations, follow-up, evaluation, and desired outcomes