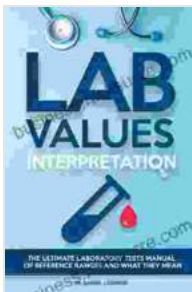


The Ultimate Laboratory Tests Manual of Reference Ranges and What They Mean

Laboratory tests are an essential part of medical diagnosis and treatment. They can be used to detect diseases, monitor health conditions, and assess treatment effectiveness. The results of laboratory tests are often reported in terms of reference ranges. Reference ranges are the values that are considered normal for a particular test. If your test results fall outside of the reference range, it may indicate that you have a health condition that needs to be treated.



Lab Values Interpretation: The ultimate laboratory tests manual of reference ranges and what they mean

by Gabriel J. Connor

★★★★☆ 4.4 out of 5

Language : English
File size : 2099 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting: Enabled
X-Ray : Enabled
Print length : 451 pages



This manual will provide you with a comprehensive guide to the most common laboratory tests. You will learn what each test measures, how it is performed, and what the reference ranges are. You will also learn how to interpret your test results and what to do if they fall outside of the reference range.

Blood Tests

Blood tests are the most common type of laboratory test. They can be used to detect a wide range of health conditions, including anemia, infection, and cancer. Blood tests are performed by drawing a sample of blood from a vein in your arm.

Test	Reference Range
Complete blood count (CBC)	<ul style="list-style-type: none">Red blood cell count: 4.5-5.9 million/μLWhite blood cell count: 4,500-11,000/μLPlatelet count: 150,000-450,000/μLHemoglobin: 12-16 g/dLHematocrit: 36-46%
Blood chemistry panel	<ul style="list-style-type: none">Sodium: 135-145 mEq/LPotassium: 3.5-5.1 mEq/LChloride: 98-107 mEq/LBicarbonate: 22-29 mEq/LCreatinine: 0.6-1.2 mg/dLBlood urea nitrogen (BUN): 7-20 mg/dLGlucose: 70-110 mg/dLTotal protein: 6-8 g/dLAlbumin: 3.5-5.0 g/dL

Test	Reference Range
Lipid panel	<ul style="list-style-type: none"> ▪ Total cholesterol: ▪ HDL cholesterol: >40 mg/dL ▪ LDL cholesterol: ▪ Triglycerides:
Liver function tests	<ul style="list-style-type: none"> ▪ Alanine aminotransferase (ALT): 7-56 IU/L ▪ Aspartate aminotransferase (AST): 8-48 IU/L ▪ Alkaline phosphatase (ALP): 40-150 IU/L ▪ Total bilirubin: 0.1-1.2 mg/dL ▪ Direct bilirubin: 0.1-0.5 mg/dL
Kidney function tests	<ul style="list-style-type: none"> ▪ Glomerular filtration rate (GFR): >90 mL/min/1.73 m² ▪ Urine albumin: ▪ Urine creatinine: 100-300 mg/dL ▪ Urea nitrogen: 7-20 mg/dL ▪ Creatinine: 0.6-1.2 mg/dL

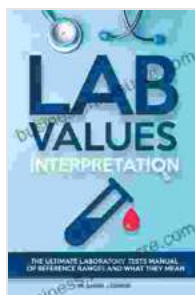
Urine Tests

Urine tests can be used to detect a wide range of health conditions, including kidney disease, urinary tract infections, and diabetes. Urine tests are performed by collecting a sample of urine in a cup.

Test	Reference Range
Urinalysis	<ul style="list-style-type: none">Color: YellowClarity: ClearSpecific gravity: 1.005-1.030pH: 4.6-8.0Protein:Glucose:Ketones:Leukocytes:Erythrocytes:

Urine culture

No growth



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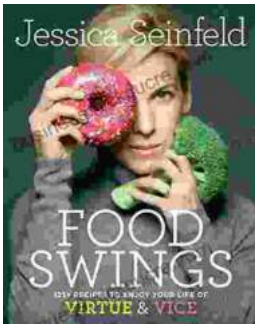
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