

Blood Test List

Introduction

Blood tests are critical tools in modern healthcare, providing essential information for diagnosing, monitoring, and managing a wide array of medical conditions. Blood tests support clinical decision-making and improve patient outcomes, from basic metabolic assessments to specialized hormone and cancer marker evaluations.

This comprehensive list is designed to help healthcare practitioners quickly reference and select appropriate tests based on clinical needs. The template includes common and specialized tests frequently used in practice, offering a structured guide to streamline laboratory orders and support evidence-based care.

Common blood tests

Type of test	Description
Basic metabolic panel (BMP)	Measures glucose, calcium, electrolytes, and kidney function indicators like BUN and creatinine.
Comprehensive metabolic panel (CMP)	Includes BMP tests plus liver function tests, proteins, and additional markers.
Complete blood count (CBC)	Evaluates red blood cells, white blood cells, hemoglobin, hematocrit, and platelets.
Lipid panel	Assesses cholesterol levels, including LDL, HDL, and triglycerides.
Blood glucose test	Measures blood sugar levels to screen for diabetes
Thyroid tests	Evaluates thyroid function, including TSH, T3, and T4.
Blood culture	Detects bacteria, fungi, or other pathogens in the bloodstream.
Coagulation panel	Checks blood clotting ability, including PT, INR, and PTT.
Electrolyte panel	Measures sodium, potassium, chloride, and CO2 levels.
Sexually transmitted disease (STD) testing	Screens for sexually transmitted infections.

Specialized blood tests

Type of test	Description
Allergy and autoimmune tests	Detects IgE antibodies for allergies or autoimmune markers like ANA.
Tumor markers	Identifies substances produced by cancer cells.
Circulating tumor test	Detects cancer cells in the bloodstream.
Endocrine tests	Evaluates hormones related to growth, sexual development, and metabolism.
Liver function tests	Measures enzymes like ALT, AST, ALP, and bilirubin.
Pancreas tests	Assesses pancreatic health, including amylase and lipase levels.
Mineral and nutrient tests	Measures levels of iron, vitamin D, B12, and other nutrients.
Prothrombin time (PT) with INR	Monitors blood clotting for patients on anticoagulants.
C-reactive protein (CRP) test	Detects inflammation in the body.
Erythrocyte sedimentation rate (ESR)	Measures inflammation.

Additional notes

References

Baxter Health. (n.d.). *Common lab tests*. <https://www.baxterhealth.org/medical-services/lab-pathology/common-lab-tests/>

Healthdirect Australia. (2020). *Blood tests A-Z*. <https://www.healthdirect.gov.au/blood-tests-a-z>