

LABORATORY REPORT				
PATIENT INFORMATION				
Name: John Doe				
Date of Birth: 01/15/1985				
Patient ID: 12345				
Date of Collection: 12/15/2024				
Date of Report: 12/16/2024				
COMPREHENSIVE METABOLIC PANEL				
Test Name	Result	Reference Range	Units	Status
Glucose	95	70-100	mg/dL	Normal
BUN	15	7-20	mg/dL	Normal
Creatinine	0.9	0.6-1.2	mg/dL	Normal
Sodium	140	135-145	mEq/L	Normal
Potassium	4.2	3.5-5.0	mEq/L	Normal
Chloride	102	96-106	mEq/L	Normal
CO2	24	22-28	mEq/L	Normal
Calcium	9.2	8.5-10.5	mg/dL	Normal
Total Protein	7.2	6.0-8.0	g/dL	Normal
Albumin	4.1	3.5-5.0	g/dL	Normal
Total Bilirubin	0.8	0.3-1.2	mg/dL	Normal
Alkaline Phosphatase	65	44-147	U/L	Normal
AST	22	10-40	U/L	Normal
ALT	18	7-56	U/L	Normal
COMPLETE BLOOD COUNT				
Test Name	Result	Reference Range	Units	Status
White Blood Cells	7.2	4.5-11.0	K/uL	Normal
Red Blood Cells	4.8	4.5-5.9	M/uL	Normal
Hemoglobin	14.2	13.5-17.5	g/dL	Normal
Hematocrit	42.1	41.0-50.0	%	Normal
MCV	87.7	80.0-100.0	fL	Normal
MCH	29.6	27.0-33.0	pg	Normal
MCHC	33.7	32.0-36.0	g/dL	Normal
Platelets	250	150-450	K/uL	Normal
Neutrophils	4.3	2.0-7.0	K/uL	Normal
Lymphocytes	2.2	1.0-4.0	K/uL	Normal
Monocytes	0.5	0.2-0.8	K/uL	Normal
Eosinophils	0.1	0.0-0.5	K/uL	Normal
Basophils	0.1	0.0-0.2	K/uL	Normal
LIPID PANEL				
Test Name	Result	Reference Range	Units	Status
Total Cholesterol	180	0-200	mg/dL	Normal

Test Name	Result	Reference Range	Units	Status
HDL Cholesterol	55	40-60	mg/dL	Normal
LDL Cholesterol	110	0-100	mg/dL	High
Triglycerides	120	0-150	mg/dL	Normal

THYROID FUNCTION

Test Name	Result	Reference Range	Units	Status
TSH	2.1	0.4-4.0	mIU/L	Normal
Free T4	1.2	0.8-1.8	ng/dL	Normal

URINALYSIS

Test Name	Result	Reference Range	Units	Status
Color	Yellow	Yellow	-	Normal
Appearance	Clear	Clear	-	Normal
Specific Gravity	1.020	1.005-1.030	-	Normal
pH	6.0	5.0-8.0	-	Normal
Protein	Negative	Negative	-	Normal
Glucose	Negative	Negative	-	Normal
Ketones	Negative	Negative	-	Normal
Blood	Negative	Negative	-	Normal
Leukocytes	Negative	Negative	-	Normal
Nitrites	Negative	Negative	-	Normal

INTERPRETATION

- Most laboratory values are within normal reference ranges.  
Notable findings include:
- LDL Cholesterol is slightly elevated at 110 mg/dL
  - All other values are within normal limits

RECOMMENDATIONS

- Consider lifestyle modifications to improve LDL cholesterol levels
- Maintain current healthy habits
- Follow up with healthcare provider as scheduled
- Repeat lipid panel in 6 months if no improvement

This report was generated by the laboratory information system.  
For questions regarding these results, please contact your healthcare provider.

Laboratory Director: Dr. Jane Smith, MD  
Technologist: Sarah Johnson, MT(ASCP)