

### Patient Information

Patient Name:	John David Smith	Date of Birth:	March 15, 1978
Patient ID:	PT-456789	Age/Sex:	46 Years / Male
Collection Date:	July 15, 2024 08:45 AM	Received Date:	July 15, 2024 09:30 AM
Report Date:	July 15, 2024 03:15 PM	Specimen Type:	Venous Blood

### Ordering Physician

Physician:	Dr. Sarah Johnson, MD	NPI:	1234567890
Facility:	City General Hospital, Internal Medicine Dept.		

### Laboratory Results

Test Name	Result	Unit	Reference Range	Flag
Hemoglobin	12.8	g/dL	13.5-17.5	L
White Blood Cell Count	11.8	10 <sup>3</sup> /µL	4.5-11.0	H
Red Blood Cell Count	4.3	10 <sup>6</sup> /µL	4.5-5.9	L
Platelet Count	385	10 <sup>3</sup> /µL	150-400	
Hematocrit	37.2	%	38.0-50.0	L
MCV	85	fL	80-100	
MCH	26.8	pg	27.0-33.0	L
MCHC	31.5	g/dL	32.0-36.0	L
Glucose (Fasting)	142	mg/dL	70-100	H
Cholesterol Total	238	mg/dL	<200	H
HDL Cholesterol	38	mg/dL	>40	L
LDL Cholesterol	155	mg/dL	<100	H
Triglycerides	225	mg/dL	<150	H

#### Flag Key:

H = High (Above reference range) | L = Low (Below reference range) | N = Normal

### Comments

**SIGNIFICANT CONCERN:** Notable deterioration in multiple parameters since January 2024 report. Fasting glucose now indicates pre-diabetes (142 mg/dL). Lipid panel shows marked worsening with high LDL (155) and triglycerides (225), plus low HDL (38). Additionally, anemia indicators present with low hemoglobin (12.8), RBC count, hematocrit, and iron indices. URGENT: Immediate physician consultation recommended for metabolic and hematologic evaluation. Consider HbA1c testing, iron studies, and B12/folate levels. Aggressive lifestyle intervention and possible medication therapy warranted.

#### Laboratory Director:

Dr. Michael Chen, MD, PhD

Board Certified in Clinical Pathology  
Medical License: MD-98765

#### Reviewed By:

Dr. Emily Rodriguez, PhD

Clinical Laboratory Scientist  
License: CLS-54321

**Disclaimer:** This report contains confidential patient information and is intended for the use of the ordering physician and patient only. Results should be correlated with clinical findings.

All testing was performed in accordance with CLIA regulations and CAP accreditation standards. For questions regarding test results, please contact the laboratory at (555) 123-4567.