

HEALTHLYNC MEDICAL LABORATORY

123 Medical Center Drive, Suite 100
Sample City, SC 12345
Phone: (555) 123-4567 | Fax: (555) 123-4568
CLIA #: 12D3456789

Patient Name:	Smith, Jane	Collection Date:	07/28/2025
Date of Birth:	03/15/1985	Collection Time:	08:30 AM
Age:	39 Years	Received Date:	07/28/2025
Gender:	Female	Report Date:	07/29/2025
Patient ID:	JS-240731-001	Ordering Physician:	Dr. Sarah Johnson, MD

Test Name	Result	Units	Reference Range	Flag
COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL				
White Blood Cell Count	6.8	K/uL	4.0 - 11.0	
Red Blood Cell Count	4.2	M/uL	4.0 - 5.2	
Hemoglobin	10.8	g/dL	12.0 - 15.0	LOW
Hematocrit	32.1	%	36.0 - 44.0	LOW
Mean Corpuscular Volume	78	fL	80 - 100	LOW
Mean Corpuscular Hemoglobin	26	pg	27 - 33	LOW
Platelet Count	285	K/uL	150 - 450	
COMPREHENSIVE METABOLIC PANEL				
Glucose	128	mg/dL	70 - 99	HIGH
Blood Urea Nitrogen	15	mg/dL	7 - 20	
Creatinine	0.9	mg/dL	0.6 - 1.2	
eGFR	>60	mL/min/1.73m²	>60	
Sodium	142	mmol/L	136 - 145	
Potassium	4.1	mmol/L	3.5 - 5.0	
Chloride	104	mmol/L	98 - 107	
Carbon Dioxide	24	mmol/L	22 - 28	
Calcium	9.8	mg/dL	8.5 - 10.5	
Total Protein	7.2	g/dL	6.0 - 8.3	

Test Name	Result	Units	Reference Range	Flag
Albumin	4.1	g/dL	3.5 - 5.0	
Total Bilirubin	0.8	mg/dL	0.3 - 1.2	
Alkaline Phosphatase	78	U/L	44 - 147	
ALT (SGPT)	28	U/L	7 - 56	
AST (SGOT)	32	U/L	10 - 40	
LIPID PANEL				
Total Cholesterol	245	mg/dL	<200	HIGH
Triglycerides	156	mg/dL	<150	HIGH
HDL Cholesterol	38	mg/dL	>40	LOW
LDL Cholesterol	176	mg/dL	<100	HIGH
Non-HDL Cholesterol	207	mg/dL	<130	HIGH
THYROID FUNCTION				
TSH	2.1	mIU/L	0.4 - 4.0	
Free T4	1.3	ng/dL	0.8 - 1.8	
VITAMIN LEVELS				
Vitamin D, 25-Hydroxy	18	ng/mL	30 - 100	LOW
Vitamin B12	420	pg/mL	200 - 900	
Folate	8.2	ng/mL	3.0 - 17.0	
INFLAMMATION MARKERS				
C-Reactive Protein, High Sensitivity	4.2	mg/L	<3.0	HIGH
Erythrocyte Sedimentation Rate	22	mm/hr	0 - 30	

Ordering Physician: Dr. Sarah Johnson, MD
Practice: Johnson Family Medicine
Address: 456 Healthcare Blvd, Sample City, SC 12345
Phone: (555) 987-6543

ABNORMAL VALUES FLAGGED:

- Hemoglobin and Hematocrit: Suggest possible iron deficiency anemia
- Glucose: Elevated fasting glucose - recommend diabetes screening

- Lipid Panel: Multiple abnormalities suggest cardiovascular risk
- Vitamin D: Deficiency - supplementation recommended
- CRP: Elevated - indicates inflammation

Laboratory Director: Dr. Michael Chen, MD, PhD

Medical License: SC-12345

This report contains confidential medical information. Results should be interpreted by a qualified healthcare provider.