



clinic

12 Baker Street  
+447700123456  
emma.johnson@example.com

Lab Order Information

Patient Name:

few wefwe

Ordered By:

N/A

Test ID:

LAB1761406684089EQCLC

Priority:

routine

Ordered Date:

10/25/2025

Hormonal tests (Cortisol, ACTH)

| Parameter                           | Value | Unit          | Reference Range |
|-------------------------------------|-------|---------------|-----------------|
| Cortisol (AM)                       | 2     | ¼ g / d L     | 6 - 23          |
| Cortisol (PM)                       | 3     | ¼ g / d L     | 3 - 16          |
| ACTH (Adrenocorticotrophic Hormone) | 3     | pg/mL         | 10 - 60         |
| 24-hour Urinary Free Cortisol       | 3     | ¼ g / 2 4 h r | 10 - 100        |

Viral Panels / PCR Tests (e.g. COVID-19, Influenza)

| Parameter             | Value | Unit | Reference Range |
|-----------------------|-------|------|-----------------|
| COVID-19 PCR          | 3     |      | Negative        |
| Influenza A PCR       | 33    |      | Negative        |
| Influenza B PCR       | 3     |      | Negative        |
| RSV PCR               | 3     |      | Negative        |
| Viral Load (Ct Value) | 33    | Ct   | >35             |

## Sputum Culture

| Parameter               | Value | Unit | Reference Range |
|-------------------------|-------|------|-----------------|
| Culture Result          | 3     |      | Normal Flora    |
| Gram Stain              | 3     |      | Normal          |
| AFB (Acid-Fast Bacilli) | 3     |      | Negative        |
| Fungal Culture          | 3     |      | No Growth       |

## Stool Culture / Ova & Parasites

| Parameter         | Value | Unit | Reference Range |
|-------------------|-------|------|-----------------|
| Stool Culture     | 33    |      | No Pathogens    |
| Ova and Parasites | 3     |      | None Seen       |
| Occult Blood      | 3     |      | Negative        |
| Fecal Leukocytes  | 33    |      | Negative        |

## Blood Culture & Sensitivity

| Parameter                        | Value | Unit  | Reference Range |
|----------------------------------|-------|-------|-----------------|
| Culture Result                   | 3     |       | No Growth       |
| Organism Identified              | 3     |       | None            |
| Sensitivity Pattern              | 3     |       | N/A             |
| Blood Culture Time to Positivity | 3     | hours | N/A             |

## Tumor Markers (e.g. CA-125, CEA, AFP)

| Parameter                      | Value | Unit  | Reference Range |
|--------------------------------|-------|-------|-----------------|
| CA-125 (Ovarian)               | 3     | U/mL  | <35             |
| CEA (Carcinoembryonic Antigen) | 3     | ng/mL | <3.0            |
| AFP (Alpha-Fetoprotein)        | 3     | ng/mL | <10             |
| CA 19-9 (Pancreatic)           | 3     | U/mL  | <37             |
| CA 15-3 (Breast)               | 3     | U/mL  | <30             |

## Autoimmune Panels (ANA, ENA, Rheumatoid Factor)

| Parameter                                    | Value | Unit  | Reference Range |
|--|-------|-------|-----------------|
| ANA (Antinuclear Antibody)                   | 33    |       | Negative        |
| Anti-dsDNA                                   | 3     | IU/mL | <30             |
| Anti-Sm (Smith)                              | 3     |       | Negative        |
| Anti-RNP                                     | 3     |       | Negative        |
| Anti-SSA (Ro)                                | 33    |       | Negative        |
| Anti-SSB (La)                                | 3     |       | Negative        |
| Rheumatoid Factor (RF)                       | 3     | IU/mL | <20             |
| Anti-CCP (Anti-Cyclic Citrullinated Peptide) |       | U/mL  | <20             |

## HCG (Pregnancy / Quantitative)

| Parameter                   | Value | Unit   | Reference Range |
|-----------------------------|-------|--------|-----------------|
| Quantitative hCG (Beta-hCG) | 3     | mIU/mL | <5              |
| Qualitative hCG             | 33    |        | Negative        |

## HIV Antibody / Viral Load

| Parameter            | Value | Unit            | Reference Range |
|----------------------|-------|-----------------|-----------------|
| HIV-1/2 Antibody     | 3     |                 | Negative        |
| HIV p24 Antigen      | 3     |                 | Negative        |
| HIV Viral Load (RNA) | 3     | copies/mL       | Not Detected    |
| CD4 Count            | 3     | cells / $\mu$ L | 500 - 1500      |
| CD4/CD8 Ratio        | 3     |                 | 0.9 - 3.0       |

## Hepatitis B / C Serologies

| Parameter                               | Value | Unit   | Reference Range |
|---|-------|--------|-----------------|
| HBsAg (Hepatitis B Surface Antigen)     | 333   |        | Negative        |
| Anti-HBs (Hepatitis B Surface Antibody) | 3     | mIU/mL | >10             |

|                                      |   |       |              |
|--------------------------------------|---|-------|--------------|
| Anti-HBc (Hepatitis B Core Antibody) | 3 |       | Negative     |
| HBeAg (Hepatitis B e-Antigen)        | 3 |       | Negative     |
| Anti-HCV (Hepatitis C Antibody)      | 3 |       | Negative     |
| HCV RNA (Quantitative)               | 3 | IU/mL | Not Detected |

### Lipase / Amylase (Pancreatic enzymes)

| Parameter          | Value | Unit | Reference Range |
|--------------------|-------|------|-----------------|
| Lipase             | 3     | U/L  | 13 - 60         |
| Amylase            | 3     | U/L  | 30 - 110        |
| Pancreatic Amylase | 3     | U/L  | 13 - 53         |

### Uric Acid

| Parameter | Value | Unit  | Reference Range |
|-----------|-------|-------|-----------------|
| Uric Acid | 3     | mg/dL | 3.5 - 7.2       |

### Electrolyte Panel

| Parameter                      | Value | Unit   | Reference Range |
|--------------------------------|-------|--------|-----------------|
| Sodium (Na+)                   | 33    | mmol/L | 136 - 145       |
| Potassium (K+)                 | 3     | mmol/L | 3.5 - 5.0       |
| Chloride (Cl-)                 | 3     | mmol/L | 98 - 107        |
| Bicarbonate (HCO3-)            | 3     | mmol/L | 23 - 29         |
| Calcium (Ca2+)                 | 3     | mg/dL  | 8.5 - 10.5      |
| Magnesium (Mg2+)               | 3     | mg/dL  | 1.7 - 2.2       |
| Phosphate (PO4 <sup>3-</sup> ) | 3     | mg/dL  | 2.5 - 4.5       |

## Cardiac Biomarkers (Troponin, CK-MB, BNP)

| Parameter                        | Value | Unit  | Reference Range |
|----------------------------------|-------|-------|-----------------|
| Troponin I                       | 33    | ng/mL | <0.04           |
| Troponin T                       | 3     | ng/mL | <0.01           |
| CK-MB                            | 3     | ng/mL | <5              |
| BNP (B-type Natriuretic Peptide) | 3     | pg/mL | <100            |
| NT-proBNP                        | 3     | pg/mL | <125            |

## Coagulation Tests (PT, PTT, INR)

| Parameter                            | Value | Unit    | Reference Range |
|--------------------------------------|-------|---------|-----------------|
| Prothrombin Time (PT)                | 3     | seconds | 11 - 13.5       |
| Partial Thromboplastin Time (PTT)    | 3     | seconds | 25 - 35         |
| INR (International Normalized Ratio) | 3     |         | 0.8 - 1.2       |
| Fibrinogen                           | 3     | mg/dL   | 200 - 400       |

## Urinalysis (UA)

| Parameter          | Value | Unit  | Reference Range |
|--------------------|-------|-------|-----------------|
| Color              | 33    |       | Yellow to Amber |
| Appearance         | 3     |       | Clear           |
| Specific Gravity   | 3     |       | 1.005 - 1.030   |
| pH                 | 3     |       | 4.5 - 8.0       |
| Protein            | 3     | mg/dL | Negative        |
| Glucose            | 3     | mg/dL | Negative        |
| Ketones            | 3     |       | Negative        |
| Blood              | 3     |       | Negative        |
| Bilirubin          | 3     |       | Negative        |
| Urobilinogen       | 3     | mg/dL | 0.1 - 1.0       |
| Nitrites           | 333   |       | Negative        |
| Leukocyte Esterase | 3     |       | Negative        |

|                  |    |      |             |
|------------------|----|------|-------------|
| WBC              | 3  | /hpf | 0 - 5       |
| RBC              | 3  | /hpf | 0 - 2       |
| Epithelial Cells | 3  | /hpf | Few         |
| Bacteria         | 3  |      | None to Few |
| Casts            | 33 | /lpf | 0 - 2       |
| Crystals         | 3  |      | None to Few |

## Albumin / Total Protein

| Parameter     | Value | Unit | Reference Range |
|---------------|-------|------|-----------------|
| Total Protein | 3     | g/dL | 6.0 - 8.3       |
| Albumin       | 3     | g/dL | 3.5 - 5.5       |
| Globulin      | 3     | g/dL | 2.0 - 3.5       |
| A/G Ratio     | 33    |      | 1.0 - 2.5       |

## Iron Studies (Serum Iron, TIBC, Ferritin)

| Parameter                                | Value | Unit      | Reference Range |
|--|-------|-----------|-----------------|
| Serum Iron                               | 3     | ¼ g / d L | 60 - 170        |
| TIBC (Total Iron Binding Capacity)       | 3     | ¼ g / d L | 240 - 450       |
| UIBC (Unsaturated Iron Binding Capacity) | 3     | ¼ g / d L | 111 - 343       |
| Transferrin Saturation                   | 3     | %         | 20 - 50         |
| Ferritin                                 | 3     | ng/mL     | 12 - 300        |
| Transferrin                              | 3     | mg/dL     | 200 - 360       |

## Vitamin D

| Parameter                    | Value | Unit  | Reference Range |
|------------------------------|-------|-------|-----------------|
| 25-Hydroxyvitamin D          | 3     | ng/mL | 30 - 100        |
| Vitamin D2 (Ergocalciferol)  | 3     | ng/mL | Variable        |
| Vitamin D3 (Cholecalciferol) | 3     | ng/mL | Variable        |

|                 |   |       |          |
|-----------------|---|-------|----------|
| Total Vitamin D | 3 | ng/mL | 30 - 100 |
|-----------------|---|-------|----------|

## Vitamin B12 / Folate

| Parameter               | Value | Unit  | Reference Range |
|-------------------------|-------|-------|-----------------|
| Vitamin B12 (Cobalamin) | 3     | pg/mL | 200 - 900       |
| Folate (Folic Acid)     | 3     | ng/mL | 2.7 - 17.0      |
| RBC Folate              | 3     | ng/mL | 140 - 628       |

## Hormone Panels (e.g., LH, FSH, Testosterone, Estrogen)

| Parameter                          | Value | Unit   | Reference Range |
|------------------------------------|-------|--------|-----------------|
| LH (Luteinizing Hormone)           | 3     | mIU/mL | 1.5 - 9.3       |
| FSH (Follicle-Stimulating Hormone) | 3     | mIU/mL | 1.4 - 18.1      |
| Testosterone (Total)               | 3     | ng/dL  | 300 - 1000      |
| Free Testosterone                  | 3     | pg/mL  | 9 - 30          |
| Estrogen (Estradiol)               | 3     | pg/mL  | 15 - 350        |
| Progesterone                       | 3     | ng/mL  | 0.1 - 25        |

## Creatine Kinase (CK)

| Parameter | Value | Unit | Reference Range |
|-----------|-------|------|-----------------|
| Total CK  | 3     | U/L  | 30 - 200        |
| CK-MM     | 3     | U/L  | Variable        |
| CK-MB     | 3     | U/L  | <25             |

## Thyroid Antibodies (e.g. Anti-TPO, Anti-TG)

| Parameter                                | Value | Unit  | Reference Range |
|--|-------|-------|-----------------|
| Anti-TPO (Thyroid Peroxidase Antibodies) | 3     | IU/mL | <35             |
| Anti-TG (Thyroglobulin Antibodies)       | 3     | IU/mL | <40             |

|  |   |   |      |
|--|---|---|------|
| TSI (Thyroid-Stimulating Immunoglobulin) | 3 | % | <140 |
|--|---|---|------|

### Prostate-Specific Antigen (PSA)

| Parameter            | Value | Unit  | Reference Range |
|----------------------|-------|-------|-----------------|
| Total PSA            | 3     | ng/mL | <4.0            |
| Free PSA             | 3     | ng/mL | Variable        |
| Free/Total PSA Ratio | 3     | %     | >25             |

### Erythrocyte Sedimentation Rate (ESR)

| Parameter               | Value | Unit  | Reference Range |
|-------------------------|-------|-------|-----------------|
| ESR (Westergren Method) | 33    | mm/hr | 0 - 20          |

### C-Reactive Protein (CRP)

| Parameter                     | Value | Unit | Reference Range |
|-------------------------------|-------|------|-----------------|
| CRP                           | 3     | mg/L | <3.0            |
| High-Sensitivity CRP (hs-CRP) | 3     | mg/L | <1.0            |

### Hemoglobin A1C (HbA1c)

| Parameter                       | Value | Unit  | Reference Range |
|---------------------------------|-------|-------|-----------------|
| Hemoglobin A1C (HbA1c)          | 3     | %     | 4.0 - 5.6       |
| Estimated Average Glucose (eAG) | 3     | mg/dL | < 117           |

### Blood Glucose (Fasting / Random / Postprandial)

| Parameter             | Value | Unit  | Reference Range |
|-----------------------|-------|-------|-----------------|
| Fasting Blood Glucose | 3     | mg/dL | 70 - 100        |
| Random Blood Glucose  | 3     | mg/dL | 70 - 140        |



|                                |   |       |      |
|--------------------------------|---|-------|------|
| Postprandial Glucose (2 hours) | 3 | mg/dL | <140 |
|--------------------------------|---|-------|------|

**Electrolytes (Sodium, Potassium, Chloride, Bicarbonate)**

| Parameter           | Value | Unit   | Reference Range |
|---------------------|-------|--------|-----------------|
| Sodium (Na+)        | 3     | mmol/L | 136 - 145       |
| Potassium (K+)      | 3     | mmol/L | 3.5 - 5.0       |
| Chloride (Cl-)      | 3     | mmol/L | 98 - 107        |
| Bicarbonate (HCO3-) | 3     | mmol/L | 23 - 29         |
| Anion Gap           | 3     | mmol/L | 8 - 16          |

**Kidney Function Tests (Creatinine, BUN, eGFR)**

| Parameter                                   | Value | Unit                      | Reference Range |
|---|-------|---------------------------|-----------------|
| Creatinine                                  | 3     | mg/dL                     | 0.6 - 1.2       |
| BUN (Blood Urea Nitrogen)                   | 3     | mg/dL                     | 7 - 20          |
| eGFR (Estimated Glomerular Filtration Rate) | 3     | mL/min/1.73m <sup>2</sup> | >60             |
| BUN/Creatinine Ratio                        | 3     |                           | 10 - 20         |
| Urea  | 3     | mg/dL                     | 15 - 44         |

**Liver Function Tests (AST, ALT, ALP, Bilirubin)**

| Parameter        | Value | Unit  | Reference Range |
|------------------|-------|-------|-----------------|
| ALT (SGPT)       | 3     | U/L   | 7 - 56          |
| AST (SGOT)       | 3     | U/L   | 10 - 40         |
| ALP              | 3     | U/L   | 44 - 147        |
| Total Bilirubin  | 3     | mg/dL | 0.1 - 1.2       |
| Direct Bilirubin | 3     | mg/dL | 0.0 - 0.3       |
| Total Protein    | 3     | g/dL  | 6.0 - 8.3       |
| Albumin          | 3     | g/dL  | 3.5 - 5.5       |
| Globulin         | 3     | g/dL  | 2.0 - 3.5       |

### Thyroid Function Tests (TSH, Free T4, Free T3)

| Parameter | Value | Unit      | Reference Range |
|-----------|-------|-----------|-----------------|
| TSH       | 3     | mIU/L     | 0.4 - 4.0       |
| Free T4   | 3     | ng/dL     | 0.8 - 1.8       |
| Free T3   | 3     | pg/mL     | 2.3 - 4.2       |
| Total T4  | 3     | ¼ g / d L | 5.0 - 12.0      |
| Total T3  | 3     | ng/dL     | 80 - 200        |

### Lipid Profile (Cholesterol, LDL, HDL, Triglycerides)

| Parameter         | Value | Unit  | Reference Range |
|-------------------|-------|-------|-----------------|
| Total Cholesterol | 3     | mg/dL | <200            |
| LDL Cholesterol   | 3     | mg/dL | <100            |
| HDL Cholesterol   | 3     | mg/dL | >40             |
| Triglycerides     | 3     | mg/dL | <150            |
| VLDL Cholesterol  | 3     | mg/dL | 5 - 40          |

### Comprehensive Metabolic Panel (CMP)

| Parameter  | Value | Unit   | Reference Range |
|------------|-------|--------|-----------------|
| Glucose    | 3     | mg/dL  | 70 - 100        |
| Calcium    | 3     | mg/dL  | 8.5 - 10.5      |
| Sodium     | 3     | mmol/L | 136 - 145       |
| Potassium  | 3     | mmol/L | 3.5 - 5.0       |
| Chloride   | 3     | mmol/L | 98 - 107        |
| CO2        | 3     | mmol/L | 23 - 29         |
| BUN        | 3     | mg/dL  | 7 - 20          |
| Creatinine | 3     | mg/dL  | 0.6 - 1.2       |
| ALT (SGPT) | 3     | U/L    | 7 - 56          |
| AST (SGOT) | 3     | U/L    | 10 - 40         |
| ALP        | 3     | U/L    | 44 - 147        |

|                 |   |       |           |
|-----------------|---|-------|-----------|
| Total Bilirubin | 3 | mg/dL | 0.1 - 1.2 |
| Total Protein   | 3 | g/dL  | 6.0 - 8.3 |
| Albumin         | 3 | g/dL  | 3.5 - 5.5 |

### Basic Metabolic Panel (BMP) / Chem-7

| Parameter  | Value | Unit   | Reference Range |
|------------|-------|--------|-----------------|
| Calcium    | 3     | mg/dL  | 8.5 - 10.5      |
| Sodium     | 3     | mmol/L | 136 - 145       |
| Potassium  | 3     | mmol/L | 3.5 - 5.0       |
| Chloride   | 3     | mmol/L | 98 - 107        |
| CO2        | 3     | mmol/L | 23 - 29         |
| BUN        | 3     | mg/dL  | 7 - 20          |
| Creatinine | 3     | mg/dL  | 0.6 - 1.2       |

### Complete Blood Count (CBC)

| Parameter            | Value | Unit                 | Reference Range |
|----------------------|-------|----------------------|-----------------|
| Hemoglobin (Hb)      | 3     | g/dL                 | 13.0 - 17.0     |
| Total WBC Count      | 3     | x10 <sup>3</sup> /L  | 4.0 - 10.0      |
| RBC Count            | 3     | x10 <sup>12</sup> /L | 4.5 - 5.9       |
| Hematocrit (HCT/PCV) | 3     | %                    | 40 - 50         |
| MCV                  | 3     | fL                   | 80 - 96         |
| MCH                  | 3     | pg                   | 27 - 32         |
| MCHC                 | 3     | g/dL                 | 32 - 36         |
| Platelet Count       | 3     | x10 <sup>3</sup> /L  | 150 - 450       |
| Neutrophils          | 3     | %                    | 40 - 75         |
| Lymphocytes          | 3     | %                    | 20 - 45         |
| Monocytes            | 3     | %                    | 2 - 10          |
| Eosinophils          | 3     | %                    | 1 - 6           |
| Basophils            | 3     | %                    | <2              |

**Notes:**