

Quest Diagnostics

## SPECIMEN INFORMATION

SPECIMEN: ZW648013A

REQUISITION: 110676813

Lab ref no:

COLLECTED: 06/10/2022 01:10PM PDT

RECEIVED: 06/10/2022 01:12PM PDT

REPORTED: 06/11/2022 06:30AM PDT

## PATIENT INFORMATION

C. Lawrence

DOB: August 13, 1973

AGE: 48

GENDER: Male

FASTING: Unknown

Clinical Info:

REPORT STATUS: FINAL

## ORDERING PHYSICIAN

Marks, Lianne

NPI: 1114918349

## CLIENT INFORMATION

Private MD Labs

445 Hwy 46S

Suite 29-214

Dickson, TN 37055

| Test Name  | Result | Flag   | Reference Range         | Lab |
|--|--------|--------|-------------------------|-----|
| FASTING: YES   |        |        |                         |     |
| FASTING: YES   |        |        |                         |     |
| <b>Comprehensive Metabolic Panel</b>   |        |        |                         |     |
| GLUCOSE  | 84     | NORMAL | 65-99 mg/dL             | 01  |
| Fasting reference interval   |        |        |                         |     |
| UREA NITROGEN (BUN)  | 30     | HIGH   | 7-25 mg/dL              | 01  |
| CREATININE   | 1.02   | NORMAL | 0.60-1.35 mg/dL         | 01  |
| eGFR NON-AFR. AMERICAN   | 87     | NORMAL | > OR = 60 mL/min/1.73m2 | 01  |
| eGFR AFRICAN AMERICAN  | 100    | NORMAL | > OR = 60 mL/min/1.73m2 | 01  |
| BUN/CREATININE RATIO   | 29     | HIGH   | 6-22 (calc)             | 01  |
| SODIUM   | 137    | NORMAL | 135-146 mmol/L          | 01  |
| POTASSIUM  | 4.3    | NORMAL | 3.5-5.3 mmol/L          | 01  |
| CHLORIDE   | 103    | NORMAL | 98-110 mmol/L           | 01  |
| CARBON DIOXIDE   | 26     | NORMAL | 20-32 mmol/L            | 01  |
| CALCIUM  | 9.3    | NORMAL | 8.6-10.3 mg/dL          | 01  |
| PROTEIN, TOTAL   | 6.7    | NORMAL | 6.1-8.1 g/dL            | 01  |
| ALBUMIN  | 4.3    | NORMAL | 3.6-5.1 g/dL            | 01  |
| GLOBULIN   | 2.4    | NORMAL | 1.9-3.7 g/dL (calc)     | 01  |
| ALBUMIN/GLOBULIN RATIO   | 1.8    | NORMAL | 1.0-2.5 (calc)          | 01  |
| BILIRUBIN, TOTAL   | 0.4    | NORMAL | 0.2-1.2 mg/dL           | 01  |
| ALKALINE PHOSPHATASE   | 49     | NORMAL | 36-130 U/L              | 01  |
| AST  | 35     | NORMAL | 10-40 U/L               | 01  |
| ALT  | 26     | NORMAL | 9-46 U/L                | 01  |
| <b>Estradiol</b>   |        |        |                         |     |
| ESTRADIOL  | 18     | NORMAL | < OR = 39 pg/mL         | 01  |
| Reference range established on post-pubertal patient population. No pre-pubertal reference range established using this assay. For any patients for whom low Estradiol levels are anticipated (e.g. males, pre-pubertal children and hypogonadal/post-menopausal females), the Quest Diagnostics Nichols Institute Estradiol, Ultrasensitive, LCMSMS assay is recommended (order code 30289).  |        |        |                         |     |
| Please note: patients being treated with the drug fulvestrant (Faslodex(R)) have demonstrated significant interference in immunoassay methods for estradiol measurement. The cross reactivity could lead to falsely elevated estradiol test results leading to an inappropriate clinical assessment of estrogen status. Quest Diagnostics order code 30289-Estradiol, Ultrasensitive LC/MS/MS demonstrates negligible cross reactivity with fulvestrant. |        |        |                         |     |
| <b>FSH (Follicle Stimulating Hormone)</b>  |        |        |                         |     |
| FSH  | 2.9    | NORMAL | 1.6-8.0 mIU/mL          | 01  |
| <b>LUTENIZING HORMONE</b>  |        |        |                         |     |
| LH   | 2.4    | NORMAL | 1.5-9.3 mIU/mL          | 01  |
| <b>CBC (includes Differential and Platelets)</b>   |        |        |                         |     |
| WHITE BLOOD CELL COUNT   | 6.6    | NORMAL | 3.8-10.8 Thousand/uL    | 01  |
| RED BLOOD CELL COUNT   | 5.42   | NORMAL | 4.20-5.80 Million/uL    | 01  |

|                           |      |        |                     |    |
|---------------------------|------|--------|---------------------|----|
| HEMOGLOBIN                | 16.1 | NORMAL | 13.2-17.1 g/dL      | 01 |
| HEMATOCRIT                | 47.9 | NORMAL | 38.5-50.0 %         | 01 |
| MCV                       | 88.4 | NORMAL | 80.0-100.0 fL       | 01 |
| MCH                       | 29.7 | NORMAL | 27.0-33.0 pg        | 01 |
| MCHC                      | 33.6 | NORMAL | 32.0-36.0 g/dL      | 01 |
| RDW                       | 13.7 | NORMAL | 11.0-15.0 %         | 01 |
| PLATELET COUNT            | 271  | NORMAL | 140-400 Thousand/uL | 01 |
| MPV                       | 10.1 | NORMAL | 7.5-12.5 fL         | 01 |
| ABSOLUTE NEUTROPHILS      | 3769 | NORMAL | 1500-7800 cells/uL  | 01 |
| ABSOLUTE BAND NEUTROPHILS | DNR  | NORMAL | 0-750 cells/uL      | 01 |
| ABSOLUTE METAMYELOCYTES   | DNR  | NORMAL | 0 cells/uL          | 01 |
| ABSOLUTE MYELOCYTES       | DNR  | NORMAL | 0 cells/uL          | 01 |
| ABSOLUTE PROMYELOCYTES    | DNR  | NORMAL | 0 cells/uL          | 01 |
| ABSOLUTE LYMPHOCYTES      | 2185 | NORMAL | 850-3900 cells/uL   | 01 |
| ABSOLUTE MONOCYTES        | 535  | NORMAL | 200-950 cells/uL    | 01 |
| ABSOLUTE EOSINOPHILS      | 79   | NORMAL | 15-500 cells/uL     | 01 |
| ABSOLUTE BASOPHILS        | 33   | NORMAL | 0-200 cells/uL      | 01 |
| ABSOLUTE BLASTS           | DNR  | NORMAL | 0 cells/uL          | 01 |
| ABSOLUTE NUCLEATED RBC    | DNR  | NORMAL | 0 cells/uL          | 01 |
| NEUTROPHILS               | 57.1 | NORMAL | %                   | 01 |
| BAND NEUTROPHILS          | DNR  | NORMAL | %                   | 01 |
| METAMYELOCYTES            | DNR  | NORMAL | %                   | 01 |
| MYELOCYTES                | DNR  | NORMAL | %                   | 01 |
| PROMYELOCYTES             | DNR  | NORMAL | %                   | 01 |
| LYMPHOCYTES               | 33.1 | NORMAL | %                   | 01 |
| REACTIVE LYMPHOCYTES      | DNR  | NORMAL | 0-10 %              | 01 |
| MONOCYTES                 | 8.1  | NORMAL | %                   | 01 |
| EOSINOPHILS               | 1.2  | NORMAL | %                   | 01 |
| BASOPHILS                 | 0.5  | NORMAL | %                   | 01 |
| BLASTS                    | DNR  | NORMAL | %                   | 01 |
| NUCLEATED RBC             | DNR  | NORMAL | 0 /100 WBC          | 01 |
| COMMENT(S)                | DNR  | NORMAL |                     | 01 |

**Testosterone, Total, Males (Adult), Immunoassay**

|                                     |     |     |               |    |
|-------------------------------------|-----|-----|---------------|----|
| TESTOSTERONE, TOTAL, MALES (ADULT), | 150 | LOW | 250-827 ng/dL | 01 |
| IA                                  |     |     |               |    |

In hypogonadal males, Testosterone, Total, LC/MS/MS, is the recommended assay due to the diminished accuracy of immunoassay at levels below 250 ng/dL. This test code (15983) must be collected in a red-top tube with no gel.

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**Performing Laboratory Information:**

01: Quest Diagnostics-Wood Dale, 1355 Mittel Blvd, Wood Dale IL, 60191-1024, phone: , Director:  
MD Anthony V Thomas