

| Patient Information | Specimen Information | Client Information | |
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| Test Name THYROID PANEL WITH TSH | In Range Out Of Range | Reference Range | Lab |
| THYROID PANEL | 2.1 | 22.25.4 | NL1 |
| T3 UPTAKE T4 (THYROXINE), TOTAL | 31 5.5 | 22-35 % 4.9-10.5 mcg/dL | |
| FREE T4 INDEX (T7) | 1.7 | 1.4-3.8 | |
| TSH | 0.82 | 0.40-4.50 mIU/L | NL1 |
| LIPID PANEL, STANDARD | 1.63 | 1200 | NTT 1 |
| CHOLESTEROL, TOTAL HDL CHOLESTEROL | 163 57 | <200 mg/dL > OR = 40 mg/dL | NL1 NL1 |
| TRIGLYCERIDES | 48 | <150 mg/dL | NL1 |
| LDL-CHOLESTEROL | 92 | mg/dL (calc) | NL1 |
| Reference range: <100 | | | |
| Desirable range <100 mg/dL | for primary prevention; | | |
| <70 mg/dL for patients with | CHD or diabetic patients | | |
| with > or = 2 CHD risk fact | ors. | | |
| LDL-C is now calculated usi | ng the Martin-Hopkins | | |
| calculation, which is a val | idated novel method providing | 9 | |
| better accuracy than the Fr estimation of LDL-C. | iedewald equation in the | | |
| Martin SS et al. JAMA. 2013 | ;310(19); 2061-2068 | | |
| (http://education.QuestDiag | | | |
| CHOL/HDLC RATIO | 2.9 | <5.0 (calc) | NL1 |
| NON HDL CHOLESTEROL | 106 | <130 mg/dL (calc) | NL1 |
| For patients with diabetes factor, treating to a non-H | DI-C goal of <100 mg/dI | | |
| (LDL-C of <70 mg/dL) is con | | | |
| option. | | /- | 1 |
| HS CRP Reference Range | 0.8 | mg/L | NL1 |
| Optimal <1.0 | | | |
| | Pract.2017;23(Suppl 2):1-87. | | |
| For ages 117 years | | | |
| For ages >17 Years: hs-CRP mg/L Risk According | to AHA/CDC Guidelines | | |
| | cardiovascular risk. | | |
| 1.0-3.0 Average relati | ve cardiovascular risk. | | |
| | e cardiovascular risk. | | |
| | ting in 1 to 2 weeks to gn transient elevation | | |
| | e CRP value secondary | | |
| to infection o | r inflammation. | | |
| | vation, upon retesting, | | |
| may be associa inflammation. | ted with infection and | | |
| | | | |
| HOMOCYSTEINE | 6.7 | <11.4 umol/L | NL1 |
| Homocysteine is increased be folate or vitamin B12. Test | | | |
| | e deficiencies. Other causes | | |
| of increased homocysteine i | nclude renal failure, folate | | |
| antagonists such as methotr | exate and phenytoin, and | | |
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| Test Name | In Range Out Of | Range Reference Range | Lal |
| exposure to nitrous oxio | de. ntern Med. 1999;131(5):33 | 1 0 | |
| COMPREHENSIVE METABOLIC PANEL | ntern Med. 1999,131(5)-33. | 1-9. | NL: |
| GLUCOSE | 84 | 65-99 mg/dL | |
| | | Fasting reference interval | |
| UREA NITROGEN (BUN) | 16 | 7-25 mg/dL | |
| CREATININE | 1.15 | 0.60-1.29 mg/dL | |
| EGFR The oCER is based on the | 78 | > OR = 60 mL/min/1.73m2 | |
| the new eGFR from a pre- | e CKD-EPI 2021 equation. S vious Creatinine or Cystat ww.kidney.org/professional | tin C | |
| kdoqi/gfr%5Fcalculator | ww.ridney.org/proressiona. | | |
| BUN/CREATININE RATIO | NOT APPLICABLE | 6-22 (calc) | |
| SODIUM POTASSIUM | 138 4.8 | 135-146 mmol/L 3.5-5.3 mmol/L | |
| CHLORIDE | 105 | 98-110 mmol/L | |
| CARBON DIOXIDE | 22 | 20-32 mmol/L | |
| CALCIUM | 9.2 | 8.6-10.3 mg/dL | |
| PROTEIN, TOTAL ALBUMIN | 6.3 4.1 | 6.1-8.1 g/dL 3.6-5.1 g/dL | |
| GLOBULIN | 2.2 | 1.9-3.7 g/dL (calc) | |
| ALBUMIN/GLOBULIN RATIO | 1.9 | 1.0-2.5 (calc) | |
| BILIRUBIN, TOTAL | 0.6 | 0.2-1.2 mg/dL | |
| ALKALINE PHOSPHATASE AST | 30 L | 36-130 U/L 10-40 U/L | |
| ALT | 20 | 9-46 U/L | |
| HEMOGLOBIN A1c | 5.1 | <5.7 % of total Hgb | NL: |
| For the purpose of screed diabetes: | ening for the presence of | | |
| | with the absence of diabet | | |
| 5.7-6.4% Consistent (prediabete | with increased risk for d | Taneres | |
| > or =6.5% Consistent | | | |
| This assay result is conor diabetes. | nsistent with a decreased | risk | |
| Currently, no consensus hemoglobin Alc for diagr | exists regarding use of nosis of diabetes in child | dren. | |
| According to American D | iabetes Association (ADA) | | |
| control in non-pregnant | Alc <7.0% represents option diabetic patients. Differecific patient populations on Diabetes(ADA). | rent | |
| PHOSPHATE (AS PHOSPHORUS) | 3.4 | 2.5-4.5 mg/dL | NL |
| URIC ACID Therapeutic target for | 5.5 gout patients: <6.0 mg/dL | 4.0-8.0 mg/dL | NL: |
| | | | |
| LD | 119 | 100-220 U/L | NL |



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| Test Name | In Range | Out Of Range | Reference Range | L |
| Γ4, FREE | 0.9 | | 0.8-1.8 ng/dL | N |
| Γ3, FREE | 2.7 | | 2.3-4.2 pg/mL | N |
| IGF 1, LC/MS | 139 | | 52-328 ng/mL | E |
| Z SCORE (MALE) | 0.0 | | -2.0 - +2.0 SD | |
| This test was developed a characteristics have been Nichols Institute San Jua cleared or approved by FD pursuant to the CLIA regu | determined by n Capistrano. I A. This assay h | Quest Diagnostic t has not been as been validate | ed | |
| purposes. | | | | |
| BC (INCLUDES DIFF/PLT) | | | | N |
| WHITE BLOOD CELL COUNT | 3.8 | | 3.8-10.8 Thousand/uL | |
| RED BLOOD CELL COUNT | 4.95 | | 4.20-5.80 Million/uL | |
| HEMOGLOBIN | 13.5 | | 13.2-17.1 g/dL | |
| HEMATOCRIT | 40.7 | | 38.5-50.0 % | |
| MCV | 82.2 | | 80.0-100.0 fL | |
| MCH | 27.3 | | 27.0-33.0 pg | |
| MCHC | 33.2 | | 32.0-36.0 g/dL | |
| RDW | 12.9 | | 11.0-15.0 % | |
| PLATELET COUNT | 225 | | 140-400 Thousand/uL | |
| MPV | 9.4 | | 7.5-12.5 fL | |
| ABSOLUTE NEUTROPHILS | 1965 | | 1500-7800 cells/uL | |
| ABSOLUTE LYMPHOCYTES | 1376 448 | | 850-3900 cells/uL 200-950 cells/uL | |
| ABSOLUTE MONOCYTES ABSOLUTE EOSINOPHILS | 440 | 11 L | 15-500 cells/uL | |
| ABSOLUTE BASOPHILS | 0 | 11 11 | 0-200 cells/uL | |
| NEUTROPHILS | 51.7 | | % | |
| LYMPHOCYTES | 36.2 | | % | |
| MONOCYTES | 11.8 | | % | |
| EOSINOPHILS | 0.3 | | २ २ | |
| BASOPHILS | 0.0 | | ું અનુ અનુ | |
| RINALYSIS, COMPLETE | | | • | N |
| COLOR | YELLOW | | YELLOW | |
| APPEARANCE | CLEAR | | CLEAR | |
| SPECIFIC GRAVITY | 1.013 | | 1.001-1.035 | |
| PH | 8.0 | | 5.0-8.0 | |
| GLUCOSE | NEGATIVE | | NEGATIVE | |
| BILIRUBIN | NEGATIVE | | NEGATIVE | |
| KETONES | NEGATIVE | | NEGATIVE | |
| OCCULT BLOOD | NEGATIVE | | NEGATIVE | |
| PROTEIN | NEGATIVE | | NEGATIVE | |
| NITRITE | NEGATIVE | | NEGATIVE | |
| LEUKOCYTE ESTERASE | NEGATIVE | | NEGATIVE | |
| WBC | NONE SEEN | | < OR = 5 /HPF | |
| RBC | NONE SEEN | | < OR = 2 /HPF | |
| SQUAMOUS EPITHELIAL CELLS | NONE SEEN | | < OR = 5 /HPF | |
| BACTERIA HYALINE CAST | NONE SEEN NONE SEEN | | NONE SEEN /HPF NONE SEEN /LPF | |
| This urine was analyzed f | | of WBC | INCINE DEEM / HEL | |
| RBC, bacteria, casts, and Only those elements seen | other formed e | | | |



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| Test Name IRON AND TOTAL IRON BINDING CAPACITY | In Range Out Of Range | Reference Range | Lab NL1 |
| IRON, TOTAL IRON BINDING CAPACITY % SATURATION | 76 301 25 | 50-180 mcg/dL 250-425 mcg/dL (calc) 20-48 % (calc) | |
| DHEA SULFATE | 150 | 61-442 mcg/dL | NL1 |
| DHEA-S values fall with a For reference, the refere old patients are: Male: 93-415 mcg/dL Female: 19-237 mcg/dL | dvancing age. nce intervals for 31-40 year | 0 | |
| GROWTH HORMONE (GH) | 0.1 | < OR = 7.1 ng/mL | NL1 |
| and are not reliable for Regarding suppression tes is diagnostic of acromega Typical GH response in he Using the glucose toler acromegaly is ruled out is <1.0 ng/mL at any po [Katznelson L, Laws Jr Acromegaly: an Endocrin Guideline. J Clin Endoc 3951]. | ts, failure to suppress GH ly. althy subjects: ance (GH suppression) test, if the patient's GH level int in the timed sequence. | | |
| at any point in the tim deficiency unlikely: Adults (> or = 20 year Insulin Hypoglycemi Arginine/GHRH Glucagon Children (< 20 years): All Stimulation Tes PROGESTERONE | <pre>ed sequence makes GH s): a > or = 5.1 ng/mL</pre> | <1.4 ng/mL | NL1 |
| population. No pre-pubert established using this as whom low Estradiol levels pre-pubertal children and females), the Quest Diagn | <pre>say. For any patients for are anticipated (e.g. males, hypogonadal/post-menopausal</pre> | < OR = 39 pg/mL | NL1 |
| interference in immunoass | have demonstrated significant ay methods for estradiol activity could lead to falsely | | |



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| Quest Diagnostics order co | monstrates negligible cross | Reference Range | Lab |
| PSA, TOTAL The total PSA value from the standardized against the William result will be approximate to the equimolar-standardi Coulter). Comparison of seinterpreted with this fact | 2.30 his assay system is HO standard. The test ly 20% lower when compared zed total PSA (Beckman rial PSA results should be in mind. | < OR = 4.00 ng/mL | NL1 |
| This test was performed us chemiluminescent method. Void different assay methods call interchangeably. PSA level value, should not be interpevidence of the presence of | alues obtained from nnot be used s, regardless of preted as absolute | | |
| TESTOSTERONE, FREE (DIALYSIS) AND TOTAL, MS TESTOSTERONE, TOTAL, MS | 508 | 250-1100 ng/dL | AMD |
| For additional information http://education.questdiag. TotalTestosteroneLCMSMSFAQ (This link is being provideducational purposes only. | nostics.com/faq/ 165 ed for informational/ | | |
| characteristics have been Diagnostics Nichols Instit | | | |

TESTOSTERONE, FREE

purposes.

73.7

Administration. This assay has been validated pursuant

This test was developed and its analytical performance

to the CLIA regulations and is used for clinical

characteristics have been determined by Quest

35.0-155.0 pg/mL

Diagnostics Nichols Institute Chantilly, VA. It has not been cleared or approved by the U.S. Food and Drug Administration. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.



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Endocrinology

| //TAMIN D,25-OH,TOTAL,IA Vitamin D Status 25-OH Vitamin D: Deficiency: <20 ng/mL Insufficiency: 20 - 29 ng/mL | NL |
|---|----|
| Deficiency: <20 ng/mL Insufficiency: 20 - 29 ng/mL | |
| Insufficiency: 20 - 29 ng/mL | |
| 3. | |
| | |
| Optimal: > or = 30 ng/mL | |
| For 25-OH Vitamin D testing on patients on D2-supplementation and patients for whom quantitation of D2 and D3 fractions i QuestAssureD(TM) 25-OH VIT D, (D2,D3), LC/MS/MS is recommended: order code 92888 (patients >2yrs). or additional information, please refer to http://education.QuestDiagnostics.com/faq/FAQ199 (This link is being provided for ir urposes only.) | |
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| Physician Comments: | |

PERFORMING SITE:

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