10/28/2024 08:16:46 AM

Report Status: Final - Courtesy Copy

STRAY, JAMES

Patient Information	Specimen Information	Client Information
STRAY, JAMES **DOB: 04/08/1980 AGE: 44** Gender: M Fasting: N Phone: 417.830.0658 Patient ID: 20091321 Health ID: 8573035572191373	Specimen: KZ040434E Requisition: 0007897 Collected: 10/23/2024 / 06:30 CDT Received: 10/23/2024 / 11:15 CDT Faxed: 10/28/2024 / 08:07 CDT	Client #: 33010239 MAIL992 AHLERING, PETER AHLERING, PETER MD Attn: STE 101 17300 N OUTER 40 RD CHESTERFIELD, MO 63005-1364

COMMENTS: FASTING:NO

Test Name	In Range	Out Of Range	Reference Range	Lab
COMPREHENSIVE METABOLIC PANEL				FRE
GLUCOSE	81		65-139 mg/dL Non-fasting reference interval	
UREA NITROGEN (BUN)	23		7-25 mg/dL	
CREATININE	0.87		0.60-1.29 mg/dL	
EGFR	109		> OR = 60 mL/min/1.73m2	
BUN/CREATININE RATIO	SEE NOTE: Not Reported: BUN and Creatinine are within reference range.		6-22 (calc)	
SODIUM	141		135-146 mmol/L	
POTASSIUM	4.4		3.5-5.3 mmol/L	
CHLORIDE	103		98-110 mmol/L	
CARBON DIOXIDE	31		20-32 mmol/L	
CALCIUM	9.4		8.6-10.3 mg/dL	
PROTEIN, TOTAL	6.6		6.1-8.1 g/dL	
ALBUMIN	4.3		3.6-5.1 g/dL	
GLOBULIN	2.3		1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	1.9		1.0-2.5 (calc)	
BILIRUBIN, TOTAL	0.8		0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	57		36-130 U/L	
AST	15		10-40 U/L	
ALT	11		9-46 U/L	
TSH W/REFLEX TO FT4	0.66		0.40-4.50 mIU/L	KS
CBC (INCLUDES DIFF/PLT)				FRE
WHITE BLOOD CELL COUNT		**3.2 L**	3.8-10.8 Thousand/uL	
RED BLOOD CELL COUNT	5.05		4.20-5.80 Million/uL	
HEMOGLOBIN	15.3		13.2-17.1 g/dL	
HEMATOCRIT	46.1		38.5-50.0 %	
MCV	91.3		80.0-100.0 fL	
MCH	30.3		27.0-33.0 pg	
MCHC	33.2		32.0-36.0 g/dL	
For adults, a slight decrease in the calculated MCHC value (in the range of 30 to 32 g/dL) is most likely not clinically significant; however, it should be interpreted with caution in correlation with other red cell parameters and the patient's clinical condition.				
RDW	13.2		11.0-15.0 %	
PLATELET COUNT	182		140-400 Thousand/uL	
MPV	11.3		7.5-12.5 fL	
ABSOLUTE NEUTROPHILS	1850		1500-7800 cells/uL	
ABSOLUTE LYMPHOCYTES	1059		850-3900 cells/uL	
ABSOLUTE MONOCYTES	221		200-950 cells/uL	
ABSOLUTE EOSINOPHILS	51		15-500 cells/uL	
ABSOLUTE BASOPHILS	19		0-200 cells/uL	
NEUTROPHILS	57.8		%	
LYMPHOCYTES	33.1		%	
MONOCYTES	6.9		%	

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EOSINOPHILS	1.6		%	
BASOPHILS	0.6		%	
FSH		**16.1 H**	1.4-12.8 mIU/mL	KS
LH	4.7		1.5-9.3 mIU/mL	KS
PROLACTIN	8.0		2.0-18.0 ng/mL	KS
ESTRADIOL	20		< OR = 39 pg/mL	FRE

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.

TESTOSTERONE, FREE (DIALYSIS) AND TOTAL,MS				Z3E
TESTOSTERONE, TOTAL, MS	609		250-1100 ng/dL	

For additional information, please refer to
https://education.questdiagnostics.com/faq/FAQ165
(This link is being provided for informational/educational purposes only.)
(Note)

This test was developed and its analytical performance characteristics have been determined by medfusion. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

TESTOSTERONE, FREE (Note)	85.6		35.0-155.0 pg/mL	

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MDF
med fusion
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Ithiel James L. Frame, MD, PhD

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PERFORMING SITE:

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KS QUEST DIAGNOSTICS LENEXA, 10101 RENNER BLVD, LENEXA, KS 66219-9752 Laboratory Director: THUY-LIEU VO,MD, CLIA: 17D0648226
Z3E MEDFUSION, 2501 SOUTH STATE HIGHWAY 121 SUITE 1100, LEWISVILLE, TX 75067-8188 Laboratory Director: ITHEL J FRAME,MD,PHD, CLIA: 45D2004217