











Patient Information	Specimen Information	Client Information	
STRAY, JAMES	Specimen: KZ040434E Requisition: 0007897	Client #: 33010239 MAIL992 AHLERING, PETER	
DOB: 04/08/1980 AGE: 44 Gender: M Fasting: N Phone: 417.830,0658 Patient ID: 20091321 Health ID: 8573035572191373	Collected: 10/23/2024 / 06:30 CDT Received: 10/23/2024 / 11:15 CDT Faxed: 10/28/2024 / 08:07 CDT	AHLERING, PETER MD Attn: STE 101 17300 N OUTER 40 RD CHESTERFIELD, MO 63005-1364	

Test Name COMPREINSIVE METABOLIC FRE	COMMENTS: FASTING:NO				-
CLUCOSE 81	COMPREHENSIVE METABOLIC	In Range	Out Of Range	Reference Range	
UREA NITROGEN (BUN) CREATININE 0.87 109 NOT REPORTED: Not Reported: BUN and Creatinine are within reference range. SODIUM POTASSIUM 4.4 3.5-5.3 mmcl/L CARBON DIOXIDE 31 CALCIUM 9.4 8.6-10.3 mg/dL 203 203 203 203 201 ALBUMIN/GLOBULIN RATIO 103 98-110 mmcl/L CALCIUM 9.4 8.6-10.3 mg/dL BLOBULIN CALCIUM 9.4 8.6-10.3 mg/dL 6.6 6.1-8.1 g/dL GLOBULIN ALBUMIN/GLOBULIN RATIO 1.9 BLIRIUBIN, TOTAL ALBUMIN/GLOBULIN RATIO 1.9 BLIRIUBIN, TOTAL 0.8 0.2-1.2 mg/dL ALBUMIN/GLOBULIN RATIO 1.9 BLIRIUBIN, TOTAL 1.0-2.5 (calc) BLIRIUBIN, TOTAL ALBUMIN/GLOBULIN RATIO 1.9 BLIRIUBIN, TOTAL 0.8 0.2-1.2 mg/dL ALBUMIN/GLOBULIN RATIO 1.9 BLIRIUBIN, TOTAL 1.0-2.5 (calc) BLIRIUBIN, TOTAL ALBUMIN/GLOBULIN RATIO 1.9 BLIRIUBIN, TOTAL 0.8 0.2-1.2 mg/dL ALBUMIN/GLOBULIN RATIO 1.9 BLIRIUBIN, TOTAL 0.66 0.40-4.50 mIU/L KS FRE MMITT BLOOD CELL COUNT RED BLOOD CELL COUNT RED BLOOD CELL COUNT RED BLOOD CELL COUNT RED BLOOD CELL COUNT 8.0 MCH MCH 30.3 3.8-10.8 Thousand/uL HEMMGOLOBIN 15.3 13.2-17.1 g/dL ALBUMIN/GLOBULIN RATIOR BLOOD CELL COUNT AG.1 BLOOD CELL COUNT 8.0 MCH 30.3 3.0-10.0 TL MCH MCH 30.3 3.0-10.0 TL MCH ABSOLUTE NEUTROPHILS 1850 190 ABSOLUTE NEUTROPHILS 1850 1500-7950 cells/uL ABSOLUTE NEUTROPHILS 190 NEUTROPHILS 57.8 LYMPHOCYTES 33.1 ** ** ** ** ** ** ** ** **		81		65-139 mg/dL	
CRRATININE			Non-fa	sting reference interval	
CRRATININE	UREA NITROGEN (BUN)	23		7-25 mg/di.	
BUN/CREATININE RATIO SEE NOTE: 6-22 (calc)		-			
SUN CREATININE RATIO SEE NOTE:	•				
Not Reported: BUN and Creatinine are within reference range.					
POTASSIUM CHLORIDE 103 CARBON DIOXIDE 103 CARBON DIOXIDE 31 CALCIUM 9.4 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 9.4 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 9.4 8.6-10.3 mg/dL 9.4 8.6-10.3 mg/dL 8.6-10.3 mg/dL 9.4 8.6-10.3 mg/dL 8.6-10.3 mg/dL 9.4 9.4 9.4 9.4 9.4 9.4 9.4 9.4 9.4 9.4	- ,	Not Rep	orted: BUN and (
POTASSIUM CHLORIDE 103 CARBON DIOXIDE 103 CARBON DIOXIDE 31 CALCIUM 9.4 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 9.4 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 9.4 8.6-10.3 mg/dL 9.4 8.6-10.3 mg/dL 8.6-10.3 mg/dL 9.4 8.6-10.3 mg/dL 8.6-10.3 mg/dL 9.4 9.4 9.4 9.4 9.4 9.4 9.4 9.4 9.4 9.4	CODILIN	1.4.1		125 146 1 /7	
CHLORIDE CARBON DIOXIDE CARBON DIOXIDE CALCIUM PROTEIN, TOTAL 6.6 6.6 6.1-8.1 g/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 6.6 6.1-8.1 g/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 9.4 8.6-10.3 mg/dL 8.6-10.3 mg/dL 9.4 8.6-10.3 mg/dL 8.6-10.3 mg/dL 8.6-10.3 mg/dL 9.3 1.9-3.7 g/dL 9.4 9.4 9.4 9.4 9.4 9.4 9.4 9.4 9.4 9.4			·		
CARRON DIOXIDE 31 CALCIUM 9.4 8.6-10.3 mg/dL PROTEIN, TOTAL 6.6 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 5.7 36-130 U/L ALKALINE PHOSPHATASE 5.7 36-130 U/L ALT 11 10-40 U/L SEC (INCLUDES DIPF/PLT) WHITE BLOOD CELL COUNT 3.2 L RED BLOOD CELL COUNT 5.05 0.40-4.50 mIU/L HEMOGLOBIN 15.3 13.2-17.1 g/dL HEMATOCRIT 4.6.1 38.5-50.0 % MCV 91.3 80.0-100.0 fL MCH 30.3 2.7 033.0 pg MCH 33.2 1.0-80 MINItion/uL HEMATORIT 4.6.1 38.5-50.0 % MCC 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 ABSOLUTE MUTROPHILS 1850 1500-7800 cells/uL ABSOLUTE MONOCYTES 221 200-950 cells/uL ABSOLUTE BASOPHILS 51 15-500 cells/uL ABSOLUTE BASOPHILS 57.8 % LYMPHOCYTES 33.1					
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 ALBUMIN/GLOBULIN RATIO 1.9 1.0-2.5 (calc) BILURUBIN, TOTAL 0.8 0.2-1.2 mg/dL ALKALINE PHOSPHATASE 57 36-130 U/L ALKALINE PHOSPHATASE 15 10-40 U/L ALT 11 9-46 U/L ALT 11 9-46 U/L ALT 11 9-46 U/L TSH W/REFLEX TO FT4 0.66 0.40-4.50 mIU/L KS CEC (INCLUDDES DIFF/FLT) FRE WHITE BLOOD CELL COUNT 5.05 4.20-5.80 Million/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 33.2 13.2-17.1 g/dL MCV 91.3 80.0-100.0 fL MCH 30.3 80.0-100.0 fL MCH 30.3 80.0-100.0 fL WHOTH 30.3 13.2-17.31 0 pg 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 mot 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 ABSOLUTE MONOCYTES 1850 1500-7800 cells/uL ABSOLUTE MONOCYTES 221 200-950 cells/uL ABSOLUTE BASOPHILS 19 0-200 cells/uL ABSOLUTE BASOPHILS 19 0-200 cells/uL ABSOLUTE BASOPHILS 57.8 \$ LYMPHOCYTES 33.1 \$		·			
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ALBUMIN					
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TSH W/REFLEX TO FT4					
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### ### ### ### ######################				0.40 4.50 mid/b	-
RED BLOOD CELL COUNT 5.05 4.20-5.80 Million/uL HEMGCLOBIN 15.3 13.2-17.1 g/dL 13.2-17.1 g/dL 13.2-17.1 g/dL 13.2-17.1 g/dL 13.2-17.1 g/dL 14.1 15.50.0 \$ MCV 91.3 80.0-100.0 fL 80.0-100			3.2 L	3 8-10 8 Thousand/ul-	1112
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<pre>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</pre>	For adults, a slight de	ecrease in the cal	culated MCHC	3,	
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 ABSOLUTE BASOPHILS 57.8 % LYMPHOCYTES 33.1	value (in the range of	30 to 32 g/dL) is	most likely		
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 19 0-200 cells/uL NEUTROPHILS 57.8 % LYMPHOCYTES 33.1 %	not clinically signific	cant; however, it	should be		
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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 %	red cell parameters and	d the patient's cl	inical		
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 %	condition.				
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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	PLATELET COUNT	182		140-400 Thousand/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 %				7.5-12.5 fL	
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 %				1500-7800 cells/uL	
ABSOLUTE EOSINOPHILS 51 15-500 cells/uL ABSOLUTE BASOPHILS 19 0-200 cells/uL NEUTROPHILS 57.8 % LYMPHOCYTES 33.1 %					
ABSOLUTE BASOPHILS 19 0-200 cells/uL NEUTROPHILS 57.8 % LYMPHOCYTES 33.1 %				200-950 cells/uL	
NEUTROPHILS 57.8 % LYMPHOCYTES 33.1 %				15-500 cells/uL	
LYMPHOCYTES 33.1 %				0-200 cells/uL	
MONOCYTES 6.9					
	MONOCYTES	6.9		\$	





08:16:46 AM

Patient Information	Specimen Information	Client Information
STRAY, JAMES	Specimen: KZ040434E Collected: 10/23/2024 / 06:30 CI	Client #: 33010239 AHLERING, PETER
DOB: 04/08/1980 AGE: 44 Gender: M Fasting: N Patient ID: 20091321 Health ID: 8573035572191373	Received: 10/23/2024 / 11:15 CI Faxed: 10/28/2024 / 08:07 CI	· · · · · · · · · · · · · · · · · · ·

Test Name	In Range	Out Of Range	Reference Range	Lab
EOSINOPHILS	1.6	_	ş.	
BASOPHILS	0.6		8	
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 pq/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

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

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.

MDF

med fusion

2501 South State Highway 121, Suite 1100

Lewisville TX 75067

972-966-7300

Ithiel James L. Frame, MD, PhD

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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	Specimen: KZ040434E Collected: 10/23/2024 / 06:30 CDT Received: 10/23/2024 / 11:15 CDT	Client #: 33010239 AHLERING, PETER
Gender: M Fasting: N Patient ID: 20091321 Health ID: 8573035572191373	Faxed: 10/28/2024 / 08:07 CDT	

PERFORMING SITE:

QUEST DIAGNOSTICS SPRINGFIELD RRL, 3231 S NATIONAL AVENUE BASEMENT, SPRINGFIELD, MO 65807-7394 Laboratory Director: MATTHEW GERGEN, CLIA: 26D2224298 QUEST DIAGNOSTICS LENEXA, 10101 RENNER BLVD, LENEXA, KS 66219-9752 Laboratory Director: THUY-LIEU VO,MD, CLIA: 17D0648226 MEDPUSION, 2501 SOUTH STATE HIGHWAY 121 SUITE 1100, LEWISVILLE, TX 75067-8188 Laboratory Director: ITHEL 1 FRAME,MD,PHD, CLIA: 45D2004217

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