



CLINICAL LABS OF HAWAII

99-193 Aiea Heights Dr, Aiea, HI 96701
Phone: (808) 677-7999

PATIENT NAME	PATIENT ID	AGE	SEX	REPORT DATE	TIME
	AAF2584	58Y	M	4/27/2022	3:56:01 PM
PHONE	DOB	PATIENT LOC		MPI	
	1/23/1964	NOP;1		437494205186049	
CC Physicians:					
None Requested					

Acc#: S3362758 / Final

Collected: 4/23/2022 07:18 AM

BATTERY/TEST NAME	FLAG	RESULT	UNIT	REF. RANGE	LOC
Fasting /Serum Index Specimen Info					
Fasting Status:		Fasting			NA
Appearance:		Clear			A2
Comp Metabolic Panel					
Sodium		141	mmol/L	133-145	A2
Potassium		4.8	mmol/L	3.3-5.1	A2
Chloride		103	mmol/L	96-108	A2
CO2		26	mmol/L	21-31	A2
Anion Gap		12		9-18	A2
BUN		20	mg/dL	8-24	A2
Creatinine		1.32	mg/dL	0.80-1.40	A2
Glucose	H	109	mg/dL	70-99	A2
Calcium		9.5	mg/dL	8.6-10.3	A2
Total Protein		6.8	g/dL	5.9-8.4	A2
Albumin		4.7	g/dL	3.5-5.2	A2
Globulin		2.1	g/dL	2.0-3.6	A2
A/G Ratio		2.2		1.3-2.7	A2
AST (SGOT)		30	U/L	14-43	A2
ALT (SGPT)		38	U/L	12-58	A2
Alk Phos		76	U/L	40-118	A2
Bilirubin, Total		0.7	mg/dL	0-1.2	A2
eGFR CKD-EPI Cr 2021	L	63	mL/min/1.73m2	>89	A2
This CKD-EPI 2021 equation does not use a race coefficient. eGFR declines with age beginning at 40 years old, and it continues at a rate of approximately 10% per decade (Clin Kidney J.2017.10 (4):545).					
Lipid Profile					
Cholesterol		191	mg/dL	<200	A2
Desirable level:	< 200				
Borderline high:	200-239				
High level:	>=240				
Triglyceride		106	mg/dL	<150	A2
Borderline-high:	150-199				
High level:	200-499				
Very high level:	>=500				
HDL Cholesterol		55	mg/dL	>39	A2
Low Level:	< 40				
High Level:	>=60				



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BATTERY/TEST NAME	FLAG	RESULT	UNIT	REF. RANGE	LOC
LDL	H	115	mg/dL	<100	A2
Optimal:		<100			
Near/above optimal:		100-129			
Borderline high:		130-159			
High:		160-189			
Very high:		>=190			
CHOL/HDL Ratio		3.47		<3.5	A2
Ideal:		<3.5			
Average risk:		<4.5			
2x average risk:		10.0			
3x average risk:		20.0			
Cholesterol Non-HDL		136	mg/dL		A2
Treatment Goals					
	LDL Goal	Non-HDL Goal			
Patient Risk Level	(mg/dL)	(mg/dL)			
High (CHD, CHD risk	<100	<130			
Equiv., or 10 yr					
CHD risk >=20%)					
Moderate (2+ risk	<130	<160			
factors and 10 yr					
risk <=20%)					
Low (0-1 risk	<160	<190			
factor)					

Recommendations are from the NIH NHLBI,
ATP III guidelines. September 2011.

Ferritin	L	28	ng/mL	30-400	A2
Studies have demonstrated that mean serum Ferritin levels in Asians and Pacific Islanders may be higher than in the white population and may need to be interpreted differently. The reason for this difference is unclear.					
FSH	L	0.3	mIU/mL	1.5-12.4	A2

Reference Range:

Follicular phase: 3.5 - 12.5

Luteal phase: 1.7 - 7.7

Ovulation phase: 4.7 - 21.5

Postmenopausal: 25.8 - 134.8

Males: 1.5 - 12.4



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BATTERY/TEST NAME	FLAG	RESULT	UNIT	REF. RANGE	LOC
Hemoglobin A1C and EAG					
Hemoglobin A1C		5.5	%	0-5.6	A2
Interpretation:					
<5.7 Normal					
5.7 - 6.4 Pre-Diabetes					
>= 6.5 Diabetes					
Values <7% meet the treatment goal for patients with diabetes mellitus.					
Estimated Avg Glucose		111	mg/dL		A2
Iron Profile					
Iron		101	ug/dL	45-160	A2
TIBC	H	466	ug/dL	228-428	A2
% Transferrin Sat		22	%	20-50	A2
LH	L	0.3	mIU/mL	2.0-12.0	A2
Reference Range:					
Follicular phase: 1.0 - 18.0					
Mid cycle: 24.0 - 105.0					
Luteal: 0.4 - 20.0					
Postmenopausal: 15.0 - 62.0					
Males: 2.0 - 12.0					
Prolactin		10.3	ng/mL	4.0-15.2	A2
Prostate Specific Ag		0.7	ng/mL	0-3.5	A2
PSA Method: Roche electrochemiluminescence immunoassay ECLIA.					
PSA results obtained with different manufacturers cannot be interchanged due to differences in assay methods and reagent specificity.					
TSH		1.91	uIU/mL	0.34-5.60	A2
TSH With Reflex FT4		1.91	uIU/mL	0.34-5.60	A2
TSH normal. FT4 not done.					



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BATTERY/TEST NAME	FLAG	RESULT	UNIT	REF. RANGE	LOC
Vitamin D Total 25-OH					
Vitamin D result	L	29	ng/mL	30-100	A2

See Note:

25-Hydroxyvitamin D assay includes 25-Hydroxyvitamin D2 and D3. Methodology is chemiluminescent immunoassay.

***** INTERPRETIVE RANGES *****

Pediatric (<17 years)

Deficiency: <15 ng/mL

Insufficiency: 15-19 ng/mL

Sufficiency: 20-100 ng/mL

ADULT

Deficiency: <20 ng/mL

Insufficiency: 20-29 ng/mL

Sufficiency: 30-100 ng/mL

CBC

Automated Bld Cnt

WBC	3.9	10(9)/L	3.8-11.2	A2
RBC	5.46	10(12)/L	4.4-6.0	A2
Hemoglobin	15.8	g/dL	13.4-17.2	A2
Hematocrit	49.3	%	39.5-49.7	A2
MCV	90.3	fL	80-100	A2
MCH	28.9	pg	27-33	A2
MCHC	32.0	g/dL	30-35	A2
RDW	13.0	%	11-15	A2
Platelet Count	183	10(9)/L	150-450	A2

Peripheral Blood Diff

Diff Method	Auto			A2
Neutrophils	56.0	%	40-70	A2
Lymphs	24.9	%	20-45	A2
Monocytes	8.4	%	4-10	A2
Eosinophils	H 9.4	%	0-6	A2
Basophils	1.0	%	0-2	A2
Immature Gran (IG)	0.3	%	0.0-0.7	A2
Neutrophils, Absolute	2.20	10(9)/L	1.4-7.0	A2
Lymphs, Absolute	0.98	10(9)/L	0.7-4.5	A2
Monocytes, Absolute	0.33	10(9)/L	0.1-1.0	A2
Eosinophils, Absolute	0.37	10(9)/L	0-0.6	A2
Basophils, Absolute	0.04	10(9)/L	0-0.2	A2



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BATTERY/TEST NAME	FLAG	RESULT	UNIT	REF. RANGE	LOC
CBC					
Immature Gran, Absolute		0.01	10(9)/L	0.00-0.06	A2
Adrenocorticotrop Horm					
ACTH		28.1	pg/mL		
Reference range: 7.2 to 63.3					
<p>INTERPRETIVE INFORMATION: Adrenocorticotrophic Hormone</p> <p>Reference interval based on samples collected between 7 a.m. and 10 a.m. No reference intervals established for p.m. collections. Pediatric reference values are the same as adults (Acta Paediatr Scand 1981;70:341-345). This assay measures intact ACTH 1-39; some types of synthetic ACTH and ACTH fragments are not detected by this assay.</p> <p>Performed By: ARUP Laboratories</p> <p>500 Chipeta Way</p> <p>Salt Lake City, UT 84108</p> <p>Laboratory Director: Tracy I. George, MD</p>					
Total Testosterone					
Total Testosterone		501	NG/DL		NA
Reference range: 300 to 890					
Erythropoietin (EPO)	H	33.0	MIU/ML		



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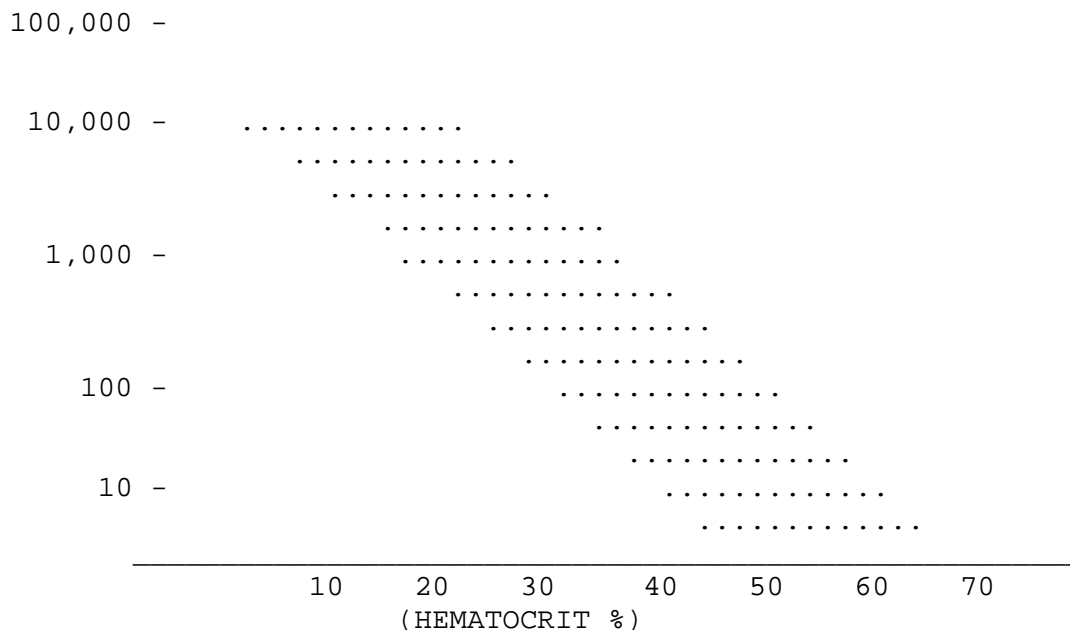
Collected: 4/23/2022 07:18 AM

BATTERY/TEST NAME	FLAG	RESULT	UNIT	REF. RANGE	LOC
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Reference range: 2.6 to 18.5

EXPECTED ERYTHROPOIETIN CONCENTRATIONS IN PATIENTS
WITH UNCOMPLICATED ANEMIA:

ERYTHROPOIETIN (mIU/mL)



(CONTRIBUTIONS TO NEPHROLOGY 1988:66:54-62)

Growth Hormone (HGH) 0.06 NG/ML
Reference range: <2.47

UNLESS OTHERWISE INDICATED, ALL TESTING PERFORMED AT
CLINICAL PATHOLOGY LABORATORIES, INC. 9200 WALL ST AUSTIN, TX 78754
LABORATORY DIRECTOR: MARK A. SILBERMAN, M.D.
CLIA NUMBER 45D0505003 CAP ACCREDITATION NO. 21525-01

Acc#: S3362761 / Final

Collected: 4/23/2022 07:18 AM

BATTERY/TEST NAME	FLAG	RESULT	UNIT	REF. RANGE	LOC
Vitamin B12		577	pg/mL	232-1245	A2



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None Requested					

Acc#: S3362767 / Final

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BATTERY/TEST NAME	FLAG	RESULT	UNIT	REF. RANGE	LOC
Albumin/Creat (ACR),UR					
Urine Albumin		20.5	mg/L	<23.0	A2
Ur Creatinine, mg/dL		244.8	mg/dL		A2
Albumin/Creat (ACR),UR		8.4	mg alb/g cre	<30	A2

ACR RANGE

ACR <30 mg/g

ACR 30-300 mg/g

ACR >300 mg/g

ALBUMINURIA INTERPRETATION

Normal to mildly increased

Mod. increased (microalbuminuria)

Severely increased (macroalbuminuria)

ABNORMAL SUMMARY

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Glucose	H	109	mg/dL	70-99	A2
eGFR CKD-EPI Cr 2021	L	63	mL/min/1.73m2	>89	A2
Lipid Profile					
LDL	H	115	mg/dL	<100	A2
Ferritin	L	28	ng/mL	30-400	A2
FSH	L	0.3	mIU/mL	1.5-12.4	A2
Iron Profile					
TIBC	H	466	ug/dL	228-428	A2
LH	L	0.3	mIU/mL	2.0-12.0	A2
Vitamin D Total 25-OH					
Vitamin D result	L	29	ng/mL	30-100	A2
CBC					
Peripheral Blood Diff					
Eosinophils	H	9.4	%	0-6	A2



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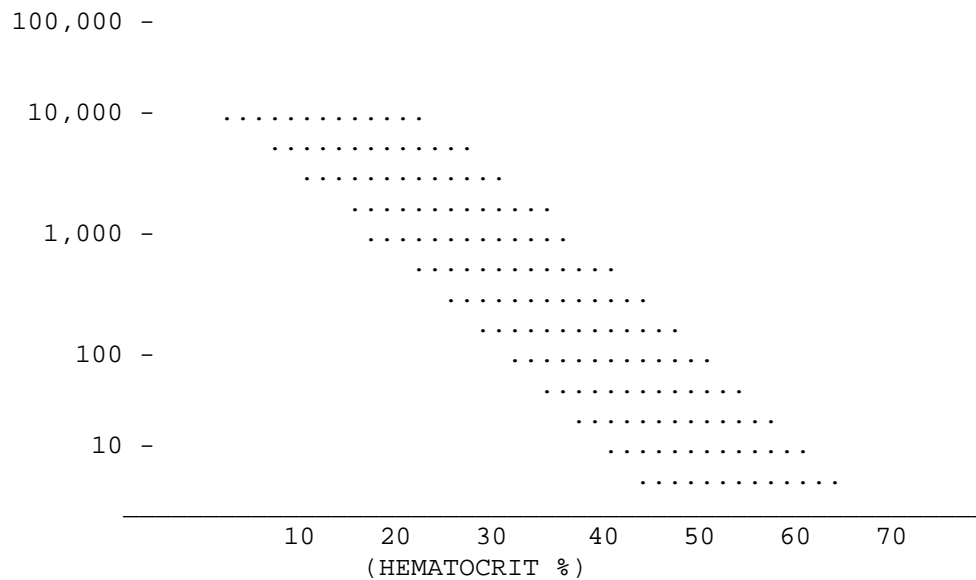
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PHONE	DOB	PATIENT LOC		MPI	
CC Physicians:					

Erythropoietin (EPO) H 33.0 MIU/ML
Reference range: 2.6 to 18.5

EXPECTED ERYTHROPOIETIN CONCENTRATIONS IN PATIENTS WITH UNCOMPLICATED ANEMIA:

ERYTHROPOIETIN (mIU/mL)



(CONTRIBUTIONS TO NEPHROLOGY 1988:66:54-62)

NOTE: The abnormal summary is supplied as a tool for identifying abnormal results. All results must still be reviewed as some abnormal results will not be included due to their interpretative or textual nature.

TESTING LOCATIONS

Code	Location	Laboratory Director	Address
	CLH Aiea Heights	Owen Chan, MD, PhD	99-193 Aiea Heights Drive, Aiea, HI 96701
A2	CLH Aiea Heights	Owen Chan, MD, PhD	99-193 Aiea Heights Drive, Aiea, HI 96701