

Detail Results: Patient Info				Results Info	
Patient Name:	ERIC SMITH	Home Phone:	(416)912-1234	Date of Service:	2023-09-30 09:38:00
Date of Birth:	1983-07-23	Work Phone:	N/A	Date Received:	2024-04-11 19:54
Age:	41 years	Sex:	M	Report Status:	F
Health Care #:	9876543225	Patient Location:	MDS	Client Ref. #:	36431
				Accession #:	6M2730115
Requesting Client: DR. AARON WONG cc: Client: DR. AARON WONG					

HEMATOLOGY I

Test Name(s)	Result	Abn	Reference Range	Units	Date/Time Completed	Status
WBC	4.5	N	4.0 - 11.0	x E9/L	2023-09-30 09:35:00	Final
RBC	4.82	N	4.50 - 6.00	x E12/L	2023-09-30 09:35:00	Final
HEMOGLOBIN	145	N	135 - 175	g/L	2023-09-30 09:35:00	Final
HEMATOCRIT	0.436	N	0.400 - 0.500	L/L	2023-09-30 09:35:00	Final
MCV	91	N	80 - 100	fL	2023-09-30 09:35:00	Final
MCH	30.1	N	27.5 - 33.0	pg	2023-09-30 09:35:00	Final
MCHC	333	N	305 - 360	g/L	2023-09-30 09:35:00	Final
RDW	12.2	N	11.5 - 14.5	%	2023-09-30 09:35:00	Final
PLATELET COUNT	262	N	150 - 400	x E9/L	2023-09-30 09:35:00	Final

HEMATOLOGY II

Test Name(s)	Result	Abn	Reference Range	Units	Date/Time Completed	Status
NEUTROPHILS	2.6	N	2.0 - 7.5	x E9/L	2023-09-30 09:35:00	Final
LYMPHOCYTES	1.5	N	1.0 - 3.5	x E9/L	2023-09-30 09:35:00	Final
MONOCYTES	0.3	N	0.2 - 1.0	x E9/L	2023-09-30 09:35:00	Final
EOSINOPHILS	0.1	N	0.0 - 0.5	x E9/L	2023-09-30 09:35:00	Final
BASOPHILS	0.0	N	0.0 - 0.2	x E9/L	2023-09-30 09:35:00	Final
IMMATURE GRANULOCYTES	0.0	N	0.0 - 0.1	x E9/L	2023-09-30 09:35:00	Final
NRBC	0	N		/100 WBC	2023-09-30 09:35:00	Final

NOTE: As of JuLY 4, 2023 LifeLabs' pediatric reference ranges have been updated to reflect the following published resource: Bohn, et al. Int J Lab Hematol. 2020;00:1-11.

HEMATOLOGY IV

Test Name(s)	Result	Abn	Reference Range	Units	Date/Time Completed	Status
INR	0.9	N	0.9 - 1.2		2023-09-30 09:35:00	Final
	Prothrombin Time					
	International Normalized Ratio					
	Therapeutic Range					

	Prophylaxis and treatment of					
	Thromboembolism	2.0 - 3.0				
	Patient with mechanical					
	prosthetic heart valve	2.5 - 3.5				

ROUTINE CHEMISTRY I						
Test Name(s)	Result	Abn	Reference Range	Units	Date/Time Completed	Status
HbA1C	5.8	N	<6.0	%	2023-09-30 09:35:00	Final
Diabetes Canada 2018 Guidelines: ----- Screening and Diagnosis: < 5.5 % Normal 5.5% - 5.9 % At risk 6.0% - 6.4 % Prediabetes >OR= 6.5 % Diabetes Mellitus If HbA1c >OR= 6.5 % and asymptomatic, confirm using Fasting Glucose, HbA1c or 75g OGTT. ----- Monitoring: <OR= 7.0 % Target in adults without comorbidities. Other targets may be more appropriate in children, elderly and patients with comorbidities. ----- Results may not accurately reflect mean blood glucose in patients with hemoglobin variants, disorders associated with abnormal erythrocyte turnover, severe renal and liver disorders.						
REFERENCE INTERVAL NOTE: N 2023-09-30 09:35:00 Final Please note change in methodologies for routine chemistry. Unless otherwise indicated, results are equivalent and reference intervals remain unchanged. For a complete list of tests which have been changed, please visit https://www.lifelabs.com						

RENAL ASSESSMENT						
Test Name(s)	Result	Abn	Reference Range	Units	Date/Time Completed	Status
CREATININE	81	N	67-117	umol/L	2023-09-30 09:35:00	Final
eGFR	104	N			2023-09-30 09:35:00	Final
Normal eGFR is described as greater than or equal to 90 ml/min/1.73 m2. Effective May 4 2015, eGFR is calculated using the CKD-EPI 2009 equation. KDIGO 2012 guidelines highlight the importance of eGFR and urine albumin creatinine ratio (ACR) in screening, diagnosis and management of CKD. Results for eGFR should be interpreted in concert with ACR.						

ROUTINE CHEMISTRY						
Test Name(s)	Result	Abn	Reference Range	Units	Date/Time Completed	Status
ALANINE TRANSAMINASE (ALT)	37	N	<50	U/L	2023-09-30 09:35:00	Final
ALKALINE PHOSPHATASE	81	N	40-129	U/L	2023-09-30 09:35:00	Final
TOTAL BILIRUBIN	8	N	<20	umol/L	2023-09-30 09:35:00	Final
ALBUMIN	48	N	35-52	g/L	2023-09-30 09:35:00	Final

LIPID ASSESSMENT						
Test Name(s)	Result	Abn	Reference Range	Units	Date/Time Completed	Status
HOURS FASTING	11	N		Hours	2023-09-30 09:35:00	Final
TRIGLYCERIDES	0.41	N		mmol/L	2023-09-30 09:35:00	Final

LIPID ASSESSMENT						
Test Name(s)	Result	Abn	Reference Range	Units	Date/Time Completed	Status
	FASTING: <1.70 mmol/L NON-FASTING: <2.00 mmol/L					
CHOLESTEROL	2.87	N	<5.20	mmol/L	2023-09-30 09:35:00	Final
	Total cholesterol and HDL-C used for risk assessment and to calculate non HDL-C.					
HDL CHOLESTEROL	1.27	N	>=1.00	mmol/L	2023-09-30 09:35:00	Final
	HDL-C <1.00 mmol/L indicates risk for metabolic syndrome.					
LDL CHOLESTEROL(CALCULATED)	1.34	N	<3.50	mmol/L	2023-09-30 09:35:00	Final
	LDL-C is calculated using the NIH equation.					
	For additional LDL-C and non-HDL-C thresholds based on risk stratification, refer to 2021 CCS Guidelines. Can J Cardiol. 2021;37(8):1129-1150.					
	Effective May 29, 2023 please note a change in decision limits that align with current clinical guidelines. In addition, Friedewald LDL-C equation is replaced by the new NIH LDL-C equation that has improved accuracy when triglycerides are high and/or LDL-C is low.					
NON HDL CHOLESTEROL	1.60	N	<4.20	mmol/L	2023-09-30 09:35:00	Final
	Non HDL-Cholesterol is not affected by the fasting status of the patient.					
CHOLESTEROL/HDL RATIO	2.3	N			2023-09-30 09:35:00	Final
	Cholesterol/HDL-C is not included in the 2021 CCS guideline as a lipid initiation or treatment target but is recognized as an indicator of high CVD risk at Cholesterol/HDL-C ratio >6.0					

ROUTINE CHEMISTRY						
Test Name(s)	Result	Abn	Reference Range	Units	Date/Time Completed	Status
ALANINE TRANSAMINASE (ALT)	37	N	<50	U/L	2023-09-30 09:35:00	Final
ALKALINE PHOSPHATASE	81	N	40-129	U/L	2023-09-30 09:35:00	Final
TOTAL BILIRUBIN	8	N	<20	umol/L	2023-09-30 09:35:00	Final
ALBUMIN	48	N	35-52	g/L	2023-09-30 09:35:00	Final

ROUTINE CHEMISTRY						
Test Name(s)	Result	Abn	Reference Range	Units	Date/Time Completed	Status
ALANINE TRANSAMINASE (ALT)	37	N	<50	U/L	2023-09-30 09:35:00	Final
ALKALINE PHOSPHATASE	81	N	40-129	U/L	2023-09-30 09:35:00	Final
TOTAL BILIRUBIN	8	N	<20	umol/L	2023-09-30 09:35:00	Final
ALBUMIN	48	N	35-52	g/L	2023-09-30 09:35:00	Final

CHEMISTRY						
Test Name(s)	Result	Abn	Reference Range	Units	Date/Time Completed	Status
FERRITIN	431	HI	15-275	ug/L	2023-09-30 09:35:00	Final

CHEMISTRY						
Test Name(s)	Result	Abn	Reference Range	Units	Date/Time Completed	Status
<15 ug/L: diagnostic of iron deficiency 15-30 ug/L: probable iron deficiency >30 ug/L: iron deficiency unlikely >100 ug/L: normal iron stores =>600 ug/L: consider test for iron overload						
Effective Oct 24, 2022 this test is performed on a new analyzer. Results are equivalent and reference intervals are updated as per clinical guidelines.						

ROUTINE CHEMISTRY						
Test Name(s)	Result	Abn	Reference Range	Units	Date/Time Completed	Status
ALANINE TRANSAMINASE (ALT)	37	N	<50	U/L	2023-09-30 09:35:00	Final
ALKALINE PHOSPHATASE	81	N	40-129	U/L	2023-09-30 09:35:00	Final
TOTAL BILIRUBIN	8	N	<20	umol/L	2023-09-30 09:35:00	Final
ALBUMIN	48	N	35-52	g/L	2023-09-30 09:35:00	Final

END OF REPORT