

Patient: **Anonymous Patient**

Lab No: **2025-BC1111111**



Age: 61 years Sex: F

Reference #: 1111111

Patient ID: 2025BC11111111

Referring Site ID:

Address: 100 International Blvd.
Toronto, Ontario
Canada M9W 6J6

Date of Birth: Apr 1964

Date of Service: Oct 2025

HC #: **1111111111 BH**

Reported on: Oct 2025

Patient's Phone: (289) 111-1111

Telephone: (877) 849-3637

Ordered by: DR. E

Toll Free: (877) 849-3637

Copy To:

Fax: (905) 795-9891

Test	Flag	Result	Reference Range - Units	Lab Lic. #
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Hematology

#5651

WBC		7.3	4.0 - 11.0	x E9/L
RBC		4.03	4.00 - 5.10	x E12/L
Hemoglobin	LO	117	120- 160	g/L
Hematocrit		0.363	0.350 - 0.450	L/L
MCV		90	80 - 100	fL
MCH		29.0	27.5 - 33.0	pg
MCHC		322	305 - 360	g/L
RDW		13.8	11.5 - 14.5	%
Platelet Count	LO	131	150 - 400	x E9/L
Immature Platelet Fraction	HI	15.9	1.1-6.1	%

Differential

Neutrophils		4.0	2.0 - 7.5	x E9/L
Lymphocytes		2.9	1.0 - 3.5	x E9/L
Monocytes	LO	0.1	0.2 - 1.0	x E9/L
Eosinophils		0.2	0.0 - 0.5	x E9/L
Basophils		0.1	0.0 - 0.2	x E9/L
Nucleated RBC		0		/100 WBC

Morphology

WBC Morphology	NORMAL
RBC Morphology	NORMAL
Platelet Morphology	Decreased slightly\sp\Megathrombocytes/Giant Platelets

Differential

Metamyelocytes	0.0	x E9/L
Myelocytes	0.0	x E9/L
Promyelocytes	0.0	x E9/L
Blasts	0.0	x E9/L
Blast Percentage	0.0	%
As of March 17, 2025, the WBC Differential will include both the absolute and relative (%) blast count. Blast >= 10% will be reported as a "critical" value.		
Lymphocytes Variant	0.0	x E9/L
Plasma Cells	0.0	x E9/L
Leukocytes Other	0.0	x E9/L

Lab -5687: LifeLabs, 100 International Blvd., Toronto, Ontario.
Lab -5651: BELLEVILLE, 51 Adam Street, Belleville, Ontario.

FINAL RESULTS

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Biochemical Investigation of Anemias

Vitamin B12		234	>220	pmol/L	#5687
		>220 pmol/L: Normal, deficiency unlikely 150-220 pmol/L: Borderline, deficiency is possible <150 pmol/L: Low, consistent with deficiency			

Ferritin	LO	29		ug/L	
		Result <30 ug/L consistent with iron deficiency.			
		For guidance, see www.hemequity.com/raise-the-bar			

General Chemistry

Glucose (Random)		5.8	3.6 - 7.7	mmol/L	#5651
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Hemoglobin A1C/Total Hemoglobin	HI	7.0	<6.0	%	#5687
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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***

***Regarding diagnosis: in the absence of symptomatic hyperglycemia, if a single laboratory test result is in the diabetes range, a repeat confirmatory laboratory test (FPG, A1C, 2hPG in a 75 g OGTT) must be done on another day for diagnosis confirmation.

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.

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General Chemistry

#5651

Sodium		140	135-145 mmol/L
Potassium		4.5	3.5-5.2 mmol/L
Creatinine		57	50-100 umol/L
Glomerular Filtration Rate (eGFR)		100	See below

Results rule out CKD stage 3-5. Assessment of urine ACR is required to definitively rule out or confirm CKD diagnosis. The KidneyWise toolkit (kidneywise.ca) recommends remeasuring eGFR and urine ACR annually for people with diabetes mellitus and less frequently in others unless clinical circumstances dictate otherwise.\.sp\ Reference interval: =>60 mL/min/1.73m2

eGFR is calculated using the CKD-EPI 2021 equation which does not use a race-based adjustment.

Calcium		2.22	2.15-2.60 mmol/L
Urate		368	150-390 umol/L

Female Reference Intervals (umol/L)
>or= 13yrs 150-390
Postmenopausal 210-450

Albumin		41	35-52 g/L
Bilirubin Total		10	<20 umol/L
Alkaline Phosphatase		113	35-120 U/L
Alanine Aminotransferase		23	<36 U/L

Lipids

Hours After Meal		5	Hours
Triglyceride		1.68	mmol/L
		FASTING: <1.70 mmol/L NON-FASTING: <2.00 mmol/L	
Cholesterol		4.77	<5.20 mmol/L
		Total cholesterol and HDL-C used for risk assessment and to calculate non HDL-C.	
HDL Cholesterol	LO	1.26	>=1.30 mmol/L
		HDL-C <1.30 mmol/L indicates risk for metabolic syndrome.	
Non HDL Cholesterol		3.51	<4.20 mmol/L
		Non HDL-Cholesterol is not affected by the fasting status of the patient.	
LDL Cholesterol		2.83	<3.50 mmol/L

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Lipids

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.

3.8

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

Cholesterol/HDL Ratio

Random Urine Chemistry

Albumin Creatinine Ratio Urine Random

#5687

5 Year KFRE

NOT APPLICABLE < 5 %

Results rule out CKD stage 3-5 and albuminuria. The KidneyWise toolkit (kidneywise.ca) recommends remeasuring eGFR and urine ACR annually for people with diabetes mellitus and less frequently in others unless clinical circumstances dictate otherwise.

Albumin (Urine)

8 mg/L

No reference interval has been established for this test.

Creatinine (Urine)

9.7 mmol/L

No reference interval has been established for this test.

Albumin/Creatinine

0.8 < 3.0 mg/mmol

Thyroid Function

Thyroid Stimulating Hormone

1.15 0.32-4.00 mIU/L

Free T4

17 9-19 pmol/L

Free T3

3.5 2.6-5.8 pmol/L

Bone Markers

25-Hydroxy Vitamin D

LO 41.4 75.0 - 250.0 nmol/L

Vit D Deficiency: 25.0 - 74.9

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