

Patient: **REYNOLDS, VANESSA  
BARBARA**

Age: 35 years Gender: F  
Date of Birth: Dec 03 1985  
C #: **3806166272**

Patient's Phone: (226) 802-3799

Ordered by: **HUTTON DR. TIMOTHY**

Copy To:

Lab No: **2021-GD2310491**

Reference #:

Patient ID: 2021GD2310491

Referring Site ID:

Date of Service: Aug 19 2021 09:42

Reported on: Aug 20 2021 02:14



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

Telephone: (877) 849-3666

Toll Free: (877) 849-3666

Fax: (905) 795-9898

Test	Flag	Result	Reference Range - Units	Lab Lic.
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**hematology**

#546

WBC		6.2	4.0 - 11.0	x E9/L
RBC		4.90	4.00 - 5.10	x E12/L
Hemoglobin		140	120 - 160	g/L
Hematocrit		0.415	0.350 - 0.450	L/L
MCV		85	80 - 100	fL
MCH		28.6	27.5 - 33.0	pg
MCHC		337	305 - 360	g/L
RDW		13.0	11.5 - 14.5	%
Platelet Count		285	150 - 400	x E9/L

**Differential**

Neutrophils		3.6	2.0 - 7.5	x E9/L
Lymphocytes		2.1	1.0 - 3.5	x E9/L
Monocytes		0.5	0.2 - 1.0	x E9/L
Eosinophils		0.1	0.0 - 0.5	x E9/L
Basophils		0.0	0.0 - 0.2	x E9/L
Immature Granulocytes		0.0	0.0 - 0.1	x E9/L
Nucleated RBC		0		/100 WBC

**biochemical investigation of Anemias**

Vitamin B12		274	138-652	pmol/L
Ferritin		85	5-272	ug/L

**urinalysis**

**Urinalysis Chemical**

Collection Date		19-AUG-2021		
Collection Time		09:42		
Colour		YELLOW	NONE/YELLOW	
Appearance		CLEAR	CLEAR	
Specific Gravity		1.018	1.001 - 1.030	
pH		6.0	5.0 - 8.0	
Protein		NEGATIVE	NEGATIVE	g/L
Glucose		NEGATIVE	NEGATIVE	mmol/L
Ketones		NEGATIVE	NEGATIVE	mmol/L
Erythrocytes		NEGATIVE	NEGATIVE	mg/L
Nitrite		NEGATIVE	NEGATIVE	
Leukocyte Esterase	Hi	75	NEGATIVE	WBC/uL

**General Chemistry**

Glucose Fasting		5.0	3.6 - 6.0	mmol/L
Hemoglobin A1C/Total Hemoglobin		5.4	<6.0	%

Diabetes Canada 2018 Guidelines:

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**General Chemistry**

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.

Creatinine  
Glomerular Filtration Rate (eGFR)

71	50-100	umol/L
95		

Normal eGFR is described as greater than or equal  
to 90 ml/min/1.73 m<sup>2</sup>.

For patients of African descent, the reported  
eGFR must be multiplied by 1.15.

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.

Urate  
Alkaline Phosphatase  
Alanine Aminotransferase

359	150-390	umol/L
81	35-120	U/L
21	<36	U/L

**Muscle Enzymes**

Creatine Kinase

92	33-165	U/L
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**lipids**

Hours After Meal		14	Hours	
Triglyceride		2.39	mmol/L	
Cholesterol		5.40	mmol/L	
HDL Cholesterol		1.02	mmol/L	

New formulation (24/Sep/2018): In some patients with abnormal liver function, the HDL-c result may be different due to the presence of lipoproteins with abnormal lipid distribution.

Non HDL Cholesterol		4.38	mmol/L	
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Non HDL-Cholesterol is not affected by the fasting status of the patient.

LDL Cholesterol		3.29	mmol/L	
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Consider the non HDL-C value as an alternate lipid target if monitoring treatment in intermediate or high risk patients.

Cholesterol/HDL Cholesterol Lipid Target Values		5.3		
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Lipid Target Values should be based on patient 10 year CVD risk assessment.

! High or Intermediate CVD risk

Primary ! LDL-C < or = 2.0 mmol/L OR  
Tx target ! > or = 50% decrease in LDL-C

Alternate ! Non HDL-C < or = 2.6 mmol/L OR  
Tx target ! ApoB < or = 0.8 g/L

! Low CVD risk

Primary ! > or = 50% decrease in LDL-C  
Tx target !

**Investigation of Carbohydrate Metabolism**

**Insulin Fasting**

Insulin Fasting		89	20 - 180	pmol/L
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Insulin levels vary considerably and must be interpreted in relation to the serum/plasma glucose.

**C-Peptide**

Results are pending ...

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<b>Thyroid Function</b>				
Thyroid Stimulating Hormone [TSH]		1.29	0.32-4.00	mIU/L
Thyroxine Free [Free T4]		12	9-19	pmol/L
Triiodothyronine Free [Free T3]		4.2	2.6-5.8	pmol/L