

Mar 17, 2022

LifeLabs Medical Laboratories Lab Data (Updated)

ANL



Accession Number 2022-GN6760833
 Collection Date Mar 17, 2022 11:52AM
 Ordering Physician: Lightle, Angela
 Primary Testing Location: 6560 Kennedy Road Mississauga L5T 2X4 1(877)849-3637

HEMATOLOGY I

WBC	4.3	4.0 - 11.0	x E9/L
RBC	5.07	4.50 - 6.00	x E12/L
HEMOGLOBIN	161	135 - 175	g/L
HEMATOCRIT	0.469	0.400- 0.500	L/L
MCV	93	80 - 100	fL
MCH	31.8	27.5 - 33.0	pg
MCHC	343	305 - 360	g/L
RDW	11.9	11.5 - 14.5	%
PLATELET COUNT	195	150 - 400	x E9/L

HEMATOLOGY II

NEUTROPHILS	2.5	2.0 - 7.5	x E9/L
LYMPHOCYTES	1.2	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
NRBC	0		/100 WBC

URINALYSIS: CHEMICAL

COLLECTION DATE Mar 17, 2022 0:00AM
 COLLECTION TIME 11:52
 APPEARANCE CLEAR CLEAR

New method implemented in October 2021.
 Reporting categories updated, reference intervals remain the same.

COLOUR	YELLOW	YELLOW	
SPECIFIC GRAVITY	1.020		
pH	5.0	5.0 - 8.0	
PROTEIN	NEGATIVE	Negative	g/L
GLUCOSE	NEGATIVE	Negative	mmol/L
KETONE	NEGATIVE	Negative	mmol/L
BLOOD	NEGATIVE	Negative	RBC/uL
NITRITE	NEGATIVE	Negative	
LEUKOCYTES	NEGATIVE	Negative	WBC/uL
CHEMCOM			

Please see <https://tests.lifelabs.com/Urinalysis/URINALYSIS-CHEMICAL.aspx?s=1> for alternative reporting units.

ROUTINE CHEMISTRY I

GLUCOSE-FASTING	4.9	3.6 - 6.0	mmol/L
HbA1c	5.3	<6.0	%

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.

CREATININE	100	67 - 117	umol/L
eGFR	90		

Normal eGFR is described as greater than or equal to 90 ml/min/1.73 m2.

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.

SODIUM	141	135 - 145	mmol/L
POTASSIUM	4.8	3.5 - 5.2	mmol/L
ALANINE TRANSAMINASE (ALT)	33	<50	U/L
ALKALINE PHOSPHATASE	77	40 - 129	U/L

ROUTINE CHEMISTRY I

GAMMA-GLUTAMYLTRANSFERASE	11 (LO)	14 - 62	U/L
---------------------------	---------	---------	-----

CARDIOVASCULAR RISK ASSESSMENT

HOURS FASTING	15		Hours
CHOLESTEROL	4.19		mmol/L
HDL CHOLESTEROL	1.21		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.

CHOLESTEROL/HDL RATIO	3.5		
LDL CHOLESTEROL(CALCULATED)	2.65		mmol/L

Consider the non HDL-C value as an alternate lipid target if monitoring treatment in intermediate or high risk patients.

NON HDL CHOLESTEROL	2.98		mmol/L
---------------------	------	--	--------

Non HDL-Cholesterol is not affected by the fasting status of the patient.

TRIGLYCERIDES	0.73		mmol/L
---------------	------	--	--------

LIPID TARGET VALUES

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 !

-----!-----

SPECIAL CHEMISTRY II

VITAMIN B12	236	138 - 652	pmol/L
-------------	-----	-----------	--------

SPECIAL CHEMISTRY II

THYROTROPIN (SENSITIVE TSH)	1.78	0.32 - 4.00	mIU/L
-----------------------------	------	-------------	-------

CHEMISTRY

FERRITIN	117	22 - 275	ug/L
----------	-----	----------	------

CELIAC SCREENING

TISSUE TRANSGLUTAMINASE IgA	<0.5	<12.0	U/mL
-----------------------------	------	-------	------

Testing Location:100 INTERNATIONAL BLVD TORONTO M9W 6J6 1(877)849-3637
NEGATIVE

IgA antibody to tissue transglutaminase has approximately 95% sensitivity and specificity for celiac disease. False negative results may occur with a gluten-restricted diet or IgA deficiency. The BioPlex method includes an internal control to confirm IgA is sufficient, thus avoiding false negatives due to IgA deficiency.

Tested by a multiplex flow immunoassay (BioPlex) method.

IGA	1.57	0.54 - 4.17	g/L
-----	------	-------------	-----