Freiburg Medical Laboratory Middle East (L.L.C.)
P.O. Box: 3068, Dubai - UAE, Tel: 04 396 2227, Fax: 04 396 2228
E-mail: info@fml-dubai.com, Website: www.fml-dubai.com

Physician:

Dr. M. Jaksch
Freiburg Medical Lab

Laboratory Report Online Version

Report Date: 10.07.2019

Patient Name: Coagulation sample report

Gender: Female
Date of Birth: 01.01.1973
Nationality:
Your ID:

Test Request Code: 1941
Sample ID:
Patient IDNo: 380638

Sampling Date / Time: 10.07.2019 / 13:00
Receipt Date / Time: 10.07.2019 / 14:07

Remarks:

Insurance:

Analysis	Result	Flag	Units	Reference Range
Haematology				
CBC (EDTA blood)				
WBC	**2.5**	**low**	10^3/µl	4.0 - 10.0
RBC	**5.13**	**high**	10^6/µl	3.8 - 4.8
HGB	**9.6**	**low**	g/dl	12.0 - 15.0
HCT	**30.7**	**low**	%	37 - 47
MCV	**59.8**	**low**	fl	83.0 - 101.0
MCH	**18.7**	**low**	pg	27.0 - 32.0
MCHC	**31.3**	**low**	g/dl	31.5 - 36.0
PLT	**236**		10^3/ul	150 - 450
Differential Count (automatic)				
Neutrophils	**26.0**	**low**	%	50 - 70
Lymphocytes	**61.6**	**high**	%	20 - 40
Monocytes	**10.0**		%	4 - 12
Eosinophils	**1.6**		%	0 - 4
Basophils	**0.8**		%	0 - 2
Neutrophils absolute	**0.6**	**low**	10^3/µl	2.0 - 7.0
Lymphocytes absolute	**1.5**		10^3/µl	0.8 - 4.0
Monocytes absolute	**0.2**		10^3/µl	< 1.2
Eosinophils absolute	**0.0**		10^3/µl	<0.4
Basophils absolute	**0.0**		10^3/µl	0.0 - 0.1
Coagulation (Citrated Plasma)				
AT-3 Activity (PHO)*	**106**		%	83 - 118

Note:
Our reference values are adjusted to age and gender.
Daily internal Quality Control within the required range (according to ISO 15189).
External Quality Control available on request.
^ non-accredited parameter
"This parameter is affected by Biotin intake of >5 mg (RDI = 0.03mg)
* This investigation has been performed in a collaborating accredited laboratory (Germany).

Techn. Validation by Med. Technologist (Supervisor of the Department)

Dr. Nehmat ElBanna Specialist Clinical Pathology (U/S) (DHA-P-0084548)

PD Dr. med. habil. M. Jaksch Associate Professor Medical Director (DHA-LS-240710)

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Coagulation (Citrated Plasma), Continuation				
Fibrinogen (COAG)	**286**		mg/dl	180 - 450
LA Screen (COAG)^	**35**		sec	31 - 51
Reference ranges have been re-validated (22.05.2016), only a value of > 51 sec (mean +2SD) should be considered abnormal and therefore investigated further.				
Protein C Activity (PHO)*	**83**		%	70 - 140
Protein S activity (COAG)*	**53**	**low**	%	60 - 130
Please note that our Reference ranges have changed (01.06.2019)				
PT (COAG)	**74**		%	70 - 130
INR (CALC)	**1.25**	**high**	ratio	0.85 - 1.20
PTT (COAG)	**36.4**		sec	26.4 - 37.5
Proteins/Metabolites (EDTA-Plasma)				
Homocysteine (PHO)	**8.6**		umol/l	<12.0

Please note:
We are using the cut-off value of 12 umol/l, which is used in European laboratories. In most of the U.S. laboratories, 15 umol/l is used as the cut-off value for normal levels of Homocysteine in adults.

A significantly increased level of homocysteine is considered an arteriosclerotic risk factor.
Various studies have shown that the risk of mortality will not be increased by results below 10; results from 10 to 15 increase the risk factor up to 1.9 times;
results from 15 to 20 up to 2.8 times; results >20 up to 4.5 times.

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Analysis	Result	Flag	Units	Reference Range
A combined folic acid, vitamin B6 and vitamin B12 supplementation followed by homocysteine level monitoring is recommended. Please note, that the reference range is valid only for serum/plasma which was separated within one hour after blood collection.				
Autoimmune Diagnostics (Serum)				
Phospholipid IgG (EIA)	**0.2**		ratio	< 1.0
Phospholipid IgM (EIA)	**0.2**		ratio	< 1.0
ANA Screening (IFT)	**< 1:100**		titer	< 1:100
Please note that ANA IFT is a highly sensitive screening test and should always be included in the assessment of suspected connective tissue disorders. However some antibodies could be missed. We therefore recommend a combined strategy (ANA IFT & ANA profile).				
Genetics (EDTA)				
Factor 2 Mutation (PCR)*	**negative**		qualitiative	negative
Factor 5 Leiden Mutation(PCR)*	**negative**		qualitative	negative

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