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: 28.04.2019

Patient Name:	**Diabetes Profile sample report**	Test Request Code:	1278
Gender:	Female	Sample ID:	
Date of Birth:	01.01.1973	Patient IDNo:	380032
Nationality:			
Your ID:		Sampling Date / Time:	27.04.2019 / 17:09
		Receipt Date / Time:	27.04.2019 / 17:09

Remarks:

Insurance:

Analysis	Result	Flag	Units	Reference Range
Proteins/Metabolites (Serum)				
Glucose (Recommendation of the American Diabetes Association)				
Glucose fasting (PHO)	**83**		mg/dl	70 - 99

Please note that we have adjusted our reference ranges according to the
recommendations of the American Diabetes Association:
Glucose Level
70 - 99   Normal fasting glucose
100 - 125   Impaired fasting glucose (pre-diabetes)
>126   Suspicion of diabetes

Please note that glucose in full blood without stabilizers such
as NaF is only stable for 10 minutes. Please send us NaF blood.

Analysis	Result	Flag	Units	Reference Range
Proteins/Metabolites (Serum)				
Lipid Studies in mg/dl (Recommendations for Adults from the American Heart Association)				
Cholesterol, total (PHO)	**221**	high	mg/dl	100 - 200

Normal: 100 - 199, Desirable: < 200, Borderline: 200 - 239, High Risk: >240

Triglycerides (PHO)	**1315**	high	mg/dl	< 150

Normal: < 150, Borderline: 150 - 199, High: 200 - 499, Very High: >500

HDL Cholesterol, direct (PHO)	**22.5**	low	mg/dl	> 50

Increased Risk Men: < 40, Increased Risk Women: < 50, Normal: 50 - 60, Optimal: > 60

LDL Cholesterol, direct (PHO)	**36**		mg/dl	< 100

Optimal: < 100, Near Optimal: 100 - 129, Borderline: 130 - 159, High: 160 - 189 Very High: > 190

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	Dr. Nehmat ElBanna	PD Dr. med. habil. M. Jaksch
Med. Technologist	Specialist	Associate Professor
(Supervisor of	Clinical Pathology (U/S)	Medical Director
the Department)	(DHA-P-0084548)	(DHA-LS-240710)

This report has been printed through Imed-Online-Reporting-System and therefore does not carry a signature.

Physician:

Dr. M. Jaksch
Freiburg Medical Lab

Laboratory Report
Online Version

Report Date: 28.04.2019

Patient Name:	**Diabetes Profile sample report**	Test Request Code:	1278
Gender:	Female	Sample ID:	
Date of Birth:	01.01.1973	Patient IDNo:	380032
Nationality:			
Your ID:		Sampling Date / Time:	27.04.2019 / 17:09
		Receipt Date / Time:	27.04.2019 / 17:09

Remarks:

Insurance:

Analysis	Result	Flag	Units	Reference Range
Proteins/Metabolites (Serum)				
Lipid Studies in mmol/l (Recommendations for Adults from the American Heart Association)				
Cholesterol, total (PHO)	**5.7**	**high**	mmol/l	2.6 - 5.1
Normal: 2.6 - 5.1, Desirable: < 5.2, Borderline: 5.2 - 6.2, High Risk: >6.2				
Triglycerides (PHO)	**14.8**	**high**	mmol/l	< 1.7
Normal: < 1.7, Borderline: 1.7 - 2.2, High: 2.2 - 5.6, Very High: >5.6				
HDL Cholesterol, direct (PHO)	**0.6**	**low**	mmol/l	>1.3
Increased Risk Men: < 1.0, Increased Risk Women: < 1.3, Normal: 1.3 - 1.6, Optimal: > 1.6				
LDL Cholesterol, direct (PHO)	**0.9**		mmol/l	< 2.6
Optimal: < 2.6, Near Optimal: 2.6 - 3.3, Borderline: 3.4 - 4.1, High: 4.2 - 4.9, Very High: > 4.9				
Proteins/Metabolites (Serum)				
Albumin (PHO)	**4.5**		g/dl	3.5 - 5.0
Urea Nitrogen (PHO)	**9**		mg/dl	6 - 20
Creatinine (PHO)	**0.7**		mg/dl	0.4 - 0.9

Creatinine is related to the muscle mass.
Please note that we have slightly adjusted the reference ranges based on
own evaluations in the Asian/Arabic population.

Analysis	Result	Flag	Units	Reference Range
Total Protein (PHO)	**7.1**		g/dl	6.4 - 8.3
Proteins/Metabolites (EDTA blood)				
Hb A1c (TURB)	**3.8**		%	2.9 - 4.2

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)

This report has been printed through Imed-Online-Reporting-System and therefore does not carry a signature.

FreiburgMedicalLaboratoryMiddleEast(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: 28.04.2019

Patient Name: Diabetes Profile sample report	Test Request Code: 1278
Gender: Female	Sample ID:
Date of Birth: 01.01.1973	Patient IDNo: 380032
Nationality:	
Your ID:	Sampling Date / Time: 27.04.2019 / 17:09
	Receipt Date / Time: 27.04.2019 / 17:09

Remarks:

Insurance:

Analysis	Result	Flag	Units	Reference Range

4.3-6.5   good control
6.6-7.5   satisfactory control
  >7.5   unsatisfactory control

Our HbA1c method is performed according to the IFCC standard.
Please note, that the IFCC Standards are more sensitive and are able to
recognize a pathologic Glucose tolerance at the earliest.
No sign of diabetic glucose metabolism (glycosylation).
Decreased HbA1c levels are observed in hemolytic anemia.

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	**Dr. Nehmat ElBanna**	**PD Dr. med. habil. M. Jaksch**
Med. Technologist	**Specialist**	**Associate Professor**
(Supervisor of	**Clinical Pathology (U/S)**	**Medical Director**
the Department)	**(DHA-P-0084548)**	**(DHA-LS-240710)**

This report has been printed through Imed-Online-Reporting-System and therefore does not carry a signature.