



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: 27.04.2016

Patient Name: sample report endocrinology

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

Test Request Code: 1269
Sample ID:
Patient IDNo: 380023

Sampling Date / Time: 27.04.2016 / 15:44
Receipt Date / Time: 27.04.2016 / 15:44

Remarks:

Insurance:

Analysis	Result	Flag	Units	Reference Range
Endocrinology (Serum)				
Estradiol (ECL)	25.0		pg/ml	
Follicular phase: 13.0 - 166.0 Ovulation phase: 86.0 - 498.0 Luteal phase: 44.0 - 211.0 Menopausal: 20.0 - 88.0 Pregnancy (1.Trim): 300 - 7000 (2.Trim): 1000 - 18000 (3.Trim): 4000 - 18000 Under ovarian stimulation: up to 4000				
FSH (ECL)	4.80		mIU/ml	
Follicular: 3.5-12.5 Ovulation: 4.7-21.5 Luteal: 1.7-7.7 Menopausal: 25.8-134.8 Under treatment: according to dosage				
LH (ECL)	3.8		mIU/ml	
Follicular: 2.4-12.6 Ovulation: 14.0-95.6 Luteal: 1.0-11.4 Menopausal: 7.7-58.5 Under treatment: according to dosage				
Progesterone (ECL)	0.29		ng/ml	
Follicular: 0.2-1.5 Ovulation: 0.8-3.0				

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 investigation has been performed in a
collaborating accredited laboratory (Germany).

Techn. Validation by
Amira Fahd
Chief Technician
(DHA-LS-241791)

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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Luteal:	1.7-27.0			
Pregnancy:	continuously increasing values up to 10 to 40fold			
Menopausal:	0.1-0.8			
Prolactin (ECLIA)	11.5		ng/ml	4.8 - 23.3
non pregnant:	4.8 - 23.3 ng/ml			
pregnant:	9.7 - 208.0 ng/ml			
Free T3 (ECL)	2.50		pg/ml	2.04 - 4.40
Free T4 (ECL)	1.30		ng/dl	0.93 - 1.70
TSH (ECL)	3.80		mIU/l	0.30 - 4.20

Important note:**Revised TSH levels:**

The American Association of Clinical Endocrinologists (AACE), www.aace.com and the American Thyroid Association (ATA), www.thyroid.org have released guidelines to lower the TSH reference range to 0.3 - 3.0 mIU/l in order to not miss any latent hypothyreosis. The discussion is still controversial, however Freiburg Medical Laboratory recommends to consider TSH levels from 3.0 - 4.2 mIU/l as greyzone (borderline increased TSH) and definitely elevated TSH levels >4.2 mIU/l.

TSH values in pregnancy:

First Trimester: 0.03 - 3.00 mIU/l
Second Trimester: 0.10 - 3.00 mIU/l
Third Trimester: 0.20 - 3.50 mIU/l

(2.5th - 97.5th percentiles)

Source:

Guidelines of the American Thyroid Association for the Diagnosis and

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Units

Reference Range

Management of Thyroid Disease During Pregnancy and Postpartum.
A. Stagnaro-Green et al. (2011) Thyroid 21:10;1081-1125

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