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: 17.11.2018

Patient Name: NBS abnormal Hb
Gender: Female
Date of Birth: 16.11.2018
Nationality: 17.11.2018
Your ID:

Test Request Code: 1816
Sample ID:
Patient IDNo: 380524

Sampling Date / Time: 17.11.2018 / 00:00
Receipt Date / Time: 17.11.2018 / 12:19

Remarks:

Insurance:

Analysis	Result	Flag	Units	Reference Range
Exclusion of Metabolic Diseases (Filter card)				
Week of gestation	**39**			
Newborn screening*	**see text**			

No sign of the following disorders:
Amino Acid related disorders such as: Phenylketonuria (PKU),
Hyperphenylalaninaemia, Maple syrup disease etc.
Fatty acid oxidation disorders and other disorders recognized in the
acylcarnitine spectrum: e.g. MCAD, LCAD, VLCAD
Other screened disorders: e.g. Hypothyreosis, AGS, Biotinidase deficiency,
Galactosaemia, G6PDH Deficiency, Cystic Fibrosis, Hemoglobinopathies
(HbS, HbC, HbD, HbE, HbH/HbBarts, HbO, HbLepore, HbG, beta-Thalassemia)

Methods: MS-MS, FIA, Photometry, Capillary Electrophoresis

Please note that the best time of collecting blood for NBS is 36-72 hours after birth.

Amino Acids (PKU etc.)*	**normal**	quantitative	normal
Acylcarnitines (Fatty acids)*	**normal**	quantitative	normal
TSH (Hypothyreodism)*	**normal**	quantitative	normal
17a-OH-Progesterone (AGS)*	**normal**	quantitative	normal
Galactose (Galactosemia)*	**normal**	quantitative	normal
Biotinidase (Biot.deficiency)*	**normal**	quantitative	normal
Glucose-6-PDH*	**normal**	quantitative	normal
Immunoreactive Trypsin*	**normal**	quantitative	normal
Hemoglobin Screening*	**HbH/HbBarts**	quantitative	normal

The Hb electrophoresis detected an abnormal hemoglobin in the HbH/Hb Barts-range (<1.0%).

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 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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Analysis	Result	Flag	Units	Reference Range

This finding of a hemoglobin-Barts, a tetramer of 4 gamma-chains, indirectly indicates an alpha-thalassemia (-a/aa). Clinical symptoms like microcytic hypochrome anemia can progress over years. Usually, there is no indication for therapy. For a further differentiation, we recommend an additional molecular genetic DNA analysis.

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