



Mr. LAWRENCE KOFI ADDEA

Tel No : 123

PID NO: P36170018065

Age: 47 Year(s) Sex: Male

Reference: Dr.GILEAD MEDICAL

Sample Collected At:
Ghana

TEST REPORT TEST REPORT

VID: 36170118218

Registered On:
22/11/2017 04:47 PM
Collected On:
22/11/2017 10:17PM
Reported On:
23/11/2017 08:24 AM

HbA1C- Glycated Haemoglobin, blood by IronExchange (EDTA Blood, Turbidimetric Immunoassay)

Investigation

HbA1C- Glycated Haemoglobin

Observed Value

5.6

Unit

%

Biological Reference Interval

Non-diabetic: ≤ 5.6

Pre-diabetic: 5.7-6.4

Diabetic: ≥ 6.5

Estimated Average Glucose (eAG)

6.31

mmol/L

Interpretation & Remark:

1. HbA1c is used for monitoring diabetic control. It reflects the estimated average glucose (eAG).
2. HbA1c has been endorsed by clinical groups & ADA (American Diabetes Association) guidelines 2017, for diagnosis of diabetes using a cut-off point of 6.5%.
3. Trends in HbA1c are a better indicator of diabetic control than a solitary test.
4. Low glycated haemoglobin (below 4%) in a non-diabetic individual are often associated with systemic inflammatory diseases, chronic anaemia (especially severe iron deficiency & haemolytic), chronic renal failure and liver diseases. Clinical correlation suggested.
5. To estimate the eAG from the HbA1C value, the following equation is used: $eAG(mg/dl) = 28.7 \times A1c - 46.7$
6. Interference of Haemoglobinopathies in HbA1c estimation.
 - A. For HbF > 25%, an alternate platform (Fructosamine) is recommended for testing of HbA1c.
 - B. Homozygous hemoglobinopathy is detected, fructosamine is recommended for monitoring diabetic status
 - C. Heterozygous state detected (D10/ turbo is corrected for HbS and HbC trait).
7. In known diabetic patients, following values can be considered as a tool for monitoring the glycemic control. Excellent Control - 6 to 7 %, Fair to Good Control - 7 to 8 %, Unsatisfactory Control - 8 to 10 % and Poor Control - More than 10 % .

Note : Hemoglobin electrophoresis (HPLC method) is recommended for detecting hemoglobinopathy.

Page 1 of 3 **Referred **Mr. David Adjei-Adu** the sample as received
Bsc.Biomedical Scientists

METROPOLIS
The Pathology Specialist

Refer to conditions of reporting overleaf **Referred Test Results relate only to the sample as received

METROPOLIS