

Mr. EMMANUEL AUGUSTUS A.

Tel No: 1234567 PID NO: P36170018516 Age: 47 Year(s) Sex: Male Reference: Dr.GILEAD MEDICAL

Sample Collected At:

Ghana

TEST REPORT

VID: 36170118677

Registered On: 28/11/2017 11:38 AM Collected On: 28/11/2017 5:08PM Reported On:

28/11/2017 03:55 PM

HbA1C- Glycated Haemoglobin, blood by IronExchange

(EDTA Blood, Turbidimetric Immunoassay)

 Investigation
 Observed Value
 Unit
 Biological Reference Interval

 HbA1C- Glycated Haemoglobin
 4.6
 %
 Non-diabetic: <= 5.6 Pre-diabetic: 5.7-6.4 Diabetic: >= 6.5

 Estimated Average Glucose (eAG)
 4.72
 mmol/L

Interpretation & Remark:

- HbA1c is used for monitoring diabetic control. It reflects the estimated average glucose (eAG).
- 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.
- 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*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 %.

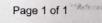
Note: Hemoglobin electrophoresis (HPLC method) is recommended for detecting hemoglobinopathy.

Reports to follow - Kindly await following pending reports :

Investigation : Status

Sodium Pending

-- End of Report --



Mr. David Adjei Adu

Bsc.Biomedical Scientists

Refer to conditions of reporting overleef TReferred to Result relate only to the sample as received



INNER HEALTH REVEALED