



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 TEST REPORT

VID: 36170118677

Registered On:

28/11/2017 11:38 AM

Collected On:

28/11/2017 5:08 PM

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: $\leq 5.6$ Pre-diabetic: 5.7-6.4 Diabetic: $\geq 6.5$
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%.
- 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.
- To estimate the eAG from the HbA1C value, the following equation is used:  $eAG(mg/dl) = 28.7 \times A1c - 46.7$
- Interference of Haemoglobinopathies in HbA1c estimation.
  - For HbF > 25%, an alternate platform (Fructosamine) is recommended for testing of HbA1c.
  - Homozygous hemoglobinopathy is detected, fructosamine is recommended for monitoring diabetic status
  - Heterozygous state detected (D10/ turbo is corrected for HbS and HbC trait).
- 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 --

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Mr. David Adjei Adu  
Bsc.Biomedical Scientists

Refer to conditions of reporting overleaf

\*\*Referred Test

Results relate only to the sample as received

METROPOLIS

METROPOLIS  
The Pathology Specialist

INNER HEALTH REVEALED

INNER HEALTH REVEALED