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Proinflammatory cytokines and haematological indices in seropositive adults with uncomplicated *Plasmodium falciparum* malaria.

[Mirabeau Y. Taffeng](#)¹⁾ and [Denis E. Agbonlah](#)

1) Department of Medical Laboratory Science, College of Health Sciences, University of Lagos, Lagos State University/Biotechnology Unit, Lahor Research Laboratories and Medical Centre

2) Biotechnology Unit, Lahor Research Laboratories and Medical Centre

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Abstract: Background: A prospective study assessing the levels of interleukin-2 (IL-2) and gamma interferon (IFN- γ) levels, CD4, CD8 and other haematological parameters in a heterogeneous group of HIV sero-positive adults with uncomplicated *falciparum* malaria was carried out in Benin City, Nigeria.

Methods: IL-2, IFN- γ were determined by Enzyme Linked Immunosorbent Assay (ELISA) and CD4 and CD8 cells were counted using the Dynabeads T4-T8 Quantification Kit. The haematological parameters was estimated using standard haematological methods.

Results: Serum levels of IFN- γ were significantly reduced in HIV/m individuals (P<0.05). Also, a significant reduction in CD4 and CD8 HIV/Malaria and HIV infected individuals (P<0.05), while monocyte higher in HIV/Malaria, HIV, and Malaria infected individuals (P<0. Conclusion: The depletion in CD4, CD8 and other haematological c with lowered serum levels of immunological mediators a direct outc the poor immune response observed in HIV co- infected and HIV-

Key words: [Interleukin-2](#), [Interferon gamma](#), [HIV](#), [Malaria](#), [Adul](#)

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