

Screening of febrile cases for early diagnosis of dengue and identification of dengue virus type using in-house diagnostic kits based on Polymerase Chain Reaction.

Gayathri Baranage¹, Dhammika Seneviratne¹, Priyantha Gamage¹, Gaya Ranawaka², Nandika Perera¹, Ruwan Illeperuma, Dilrukshi Ruberu³, Aruna Shahani⁴ and Maya B. Gunasekera¹

- 1 *Genetech, Molecular Diagnostics & School of Gene Technology, Colombo 8.*
- 2 *Department of Zoology, Open University, Nawala, Nugegoda*
- 3 *Durdans Hospital, Colombo 3*
- 4 *Department of Microbiology, Apollo Hospitals, Colombo 5.*

Introduction

Dengue virus (DV) belonging to the group of flaviviruses, is responsible for dengue fever, dengue haemorrhagic fever / shock syndrome. Early diagnosis of DV infection helps monitoring of the disease, hospital admission when necessary, and reduces case fatality. Here we report the quick screening of febrile patients for DV and identification of the DV type using in-house diagnostic kits based on Polymerase Chain Reaction (PCR).