



# NATIONAL INSTITUTE MALARIA RESEARCH

(Indian Council of Medical Research)

Department of Health Research

Ministry of Health and Family Welfare, Govt of India

ICMR Complex, Poojanahalli, Kannamangla Post

Off. NH-7, Near BIAL Trumpet Bus Stop, Devanahalli, Bangalore-562 110

Ref. No. NIMR/BNG/Bigtec /2009-314

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## EVALUATION REPORT

**Name of the test evaluated:** Real time Malaria Bigtec micro PCR  
**Name of the manufacturer:** M/s Bigtec Pvt. Ltd.  
No. 100/1, 3<sup>rd</sup> Floor, Anchorage Building 1,  
Richmond Road , Bangalore 560025  
**Batch /Lot Numbers:** 2009 Evaluation Batch  
**Configuration of the Panel:** A total of 281 clinical samples collected from  
malaria endemic areas.  
**Principle of the Test:** microChip based Real Time PCR assay  
**Protocol:** The study was prospective in nature. A total of 281  
blood samples were collected for malaria diagnosis  
by NIMR scientists. Study design was triple blind  
method. The true identity of the samples was not  
known to the investigators at the time of sample  
collection and testing. Thus each sample was  
checked for microscopy, rapid diagnostic kit  
(Falcivax from Tulip, Goa – well accepted kit) and  
finally the PCR device.

**Results:** Detail of the results is summarized in the attached  
table.

### Comments:

1. The test takes totally 60 minutes to complete (including DNA extraction and PCR run time). It is convenient and easy to use. One sample can be tested at a time without having to batch several samples.
2. This PCR device can detect malaria parasites better than microscopy and RDT.
3. This device is very handy and can be recommended for field application with minimum training.

*Tom*  
26.11.09  
(Dr. S K Ghosh)

Scientist 'F' and Officer-in-Charge