

A novel molecular diagnostic technique for detecting different species of Plasmodium

Salient features of the technology

- This is a process for detecting different species of Plasmodium (such as *P. falciparum*, *P. vivax*, *P. malarie* and *P. ovale*).
- This technique helps in the detection of species-specific mitochondrial regions for different Plasmodium species.
- It requires single step reaction for PCR amplification and restriction digestion.
- It is highly sensitive and specific and is superior to known PCR techniques.
- The technique is simple, cost-effective and time saving.
- The technology has been developed up to laboratory scale.
- It is developed by an ICMR institute, the National Institute of Malaria Research, Dwarka.
- An Indian Patent has been filed and international filing through PCT is under process.