

A process for diagnosis of infective (L3) stage larvae of *Wuchereria bancrofti* in vector mosquito *Culex quinquefasciatus*

Salient features of the Technology:

- The process is 90-100% sensitive and specific for the diagnosis of infective stage (L3) larva of filarial parasite in vector mosquito in pools of vector mosquitoes.
- The kit has been developed based on Reverse Transcription PCR.
- The kit includes a pair of primers to amplify *W. bancrofti* L3 stage specific fragment of 111 bp.
- It can be applied for monitoring filariasis elimination programmes such as Global Programme for Elimination of Lymphatic Filariasis (GPELF) and National Vector Borne Disease Control Programme (NVBDCP).
- An Indian patent has been granted.
- This technology has been developed by VCRC, Puducherry (an ICMR Institute).