

## 1.8 Identification of vectors responsible for transmitting malaria in the North-Western part of India using Sporozoite ELISA and Nested-PCR.

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### OBJECTIVE

1. Incrimination of malaria vector species in the desert region of the country. Determination of the types of malaria parasite in the Anopheline vector (s).

### PROGRESS

Mosquito collections were made from the villages of the Kotada Block of Udaipur district. Mosquitoes were mostly collected from the rooms used for the sleeping and living purposes. The details of the mosquito species collected and their numbers are given below.

S. No.	Name of the Villages	Name of the mosquito species	Sex	Number
1.	Malwa Ka Chourah	<i>Anophles culicifacies</i>	Female	16
		<i>Anopheles spp.</i>	Female	03
2.	Patia	<i>Anopheles culicifacies</i>	Female	10
3.	Ghata	<i>Anopheles annularis</i>	Female	01
		<i>Anopheles stephensi</i>	Female	01
		<i>Anopheles culicifacies</i>	Female	14
		<i>Anopheles subpictus</i>	Female	01
		<i>Anopheles culicifacies</i>	Male	04

The standardization of the Sporozoite Elisa is under progress for the identification of the *Plasmodium vivax* and *Plasmodium falciparum* malaria parasites.