

Evaluation of the repellent efficacy of a formulation against *Ixodes ricinus* ticks using the Moving Object Bioassay

- Final Report -

Sponsor

Squito SARL
Chemin des Vernes 7
1936 Verbier
Suisse

Report No. SQ_IR_0123_01

Study Director

Date

17.7.23 

Dr. H. Dautel

Test manager

Date

17.7.23 

M.Sc. D. Geuß

General information

Sponsor	Squito SARL Jean Jacques Rouge Chemin des Vernes 7 1936 Verbier Suisse
Test Institute	IS Insect Services GmbH Motzener Str. 6 12277 Berlin Germany
Study director	Dr. Hans Dautel
Test manager	M. Sc. Daniel Geuß
Test location	IS Insect Services GmbH Motzener Str. 6 12277 Berlin Germany
Test product	TIZZY – Insect Repellent Gel
Time schedule	Receipt of product: 07 June 2023 Start of tests: 23 June 2023 End of tests: 23 June 2023 Study report: No. SQ_IR_0123_01 17 July 2023

3. Results

3.1 Overall repellency

The overall repellency determined for the test product “TIZZY – Insect Repellent Gel” was 93.1 %. The number of repelled ticks in the test runs with the test product was significantly increased compared to control runs (Table 1).

Table 1: Repellency and relative repellency (repellency corrected for the control) of the test product “TIZZY – Insect Repellent Gel” against *I. ricinus* nymphs in the MOB. Significant differences according to Fisher’s exact test. *: $P < 0.001$. $N_{\text{ticks}} = 30$.**

Test product	Repellency (%)	Relative repellency (%)	Significance
Unreated Control	3.3	-	-
TIZZY – Insect Repellent Gel	93.3	93.1	***