

Table 1 Comparison of the percentage reduction of mosquito landing between skin treated with mosquito cream containing 20% w/v diethyl phenyl acetamide (DEPA) and standard repellent (10% w/v DEET) against *Ae. Aegypti*

Duration	Percentage reduction of mosquito landing on skin (Mean \pm SE)						Mean (\pm SE) percentage reduction		t-test
	Treated with mosquito repellent cream containing 20% w/v DEPA			Treated with 10% DEET					
	Volunteer 1	Volunteer 2	Volunteer 3	Volunteer 1	Volunteer 2	Volunteer 3	Mosquito repellent cream contain DEPA 20% w/v	Standard repellent	
10 min	100 \pm 0.00	100 \pm 0.00	100 \pm 0.00	100 \pm 0.00	100 \pm 0.00	100 \pm 0.00	100 \pm 0.00 ^a	100 \pm 0.00 ^b	P=0.000
1 h	96.17 \pm 1.45	96.94 \pm 1.55	98.63 \pm 0.74	100 \pm 0.00	98.00 \pm 1.24	100 \pm 0.00	97.25 \pm 0.73 ^a	99.34 \pm 0.66 ^b	P=0.101
2 h	97.76 \pm 1.12	98.33 \pm 1.67	97.30 \pm 1.39	90.93 \pm 4.58	93.88 \pm 4.87	92.22 \pm 6.19	97.80 \pm 0.30 ^a	92.34 \pm 1.48 ^b	P=0.004
4 h	80.95 \pm 4.43	87.49 \pm 2.08	80.35 \pm 0.56	72.08 \pm 6.79	84.90 \pm 3.88	80.39 \pm 9.11	82.93 \pm 2.28 ^a	79.12 \pm 6.59 ^b	P=0.435
6 h	52.02 \pm 9.44	57.01 \pm 9.34	76.52 \pm 3.48	72.67 \pm 6.59	80.75 \pm 2.31	76.03 \pm 5.99	61.85 \pm 7.48 ^a	76.48 \pm 2.34 ^b	P=0.135
8 h	61.50 \pm 1.10	56.48 \pm 9.40	76.20 \pm 10.93	68.95 \pm 4.07	80.44 \pm 5.92	73.50 \pm 5.99	64.73 \pm 5.92 ^a	74.30 \pm 3.34 ^b	P=0.232
Mean number of mosquito landing	82.50 \pm 5.92	87.24 \pm 1.58	90.71 \pm 0.45	86.43 \pm 1.95	89.77 \pm 2.44	89.24 \pm 0.95	86.52 \pm 2.38 ^a	86.68 \pm 1.04 ^b	P=0.556

Note: ^aF=18.40, P=0.000; ^bF=24.63, P=0.000; p>0.05 = No significant difference; p \le 0.05 = Significant difference