

**Table 1: Penetration rates of C<sup>14</sup>-deltamethrin and comparable tarsal vs topical application bioassays with deltamethrin, on Resistant (Res) and Susceptible (Sus) *Anopheles gambiae*.**

STRAIN	INSECTICIDE ASSAY						
	Penetration rate		Bioassay				
	PRx10 <sup>-3</sup> CPM <sub>internal</sub> / CPM <sub>total</sub> /min	Ratio PR <sub>Sus</sub> /PR <sub>Res</sub>	Tarsal LC50x10 <sup>-4</sup>	Topical LC50x10 <sup>-4</sup>	RR Res/Sus		Ratio tarsal/topical
				tarsal	topical		
Sus	60 (±14)	2.06	0.29 (0.22-0.38)	0.4 (0.1-1.1)	22.41 (20.9-23.4)	12.25 (7.3-28.0)	1.83
Res	29 (±8)**		6.5 ** (4.6-8.9)	4.9 ** (2.8-8.0)			

PR: Penetration Rate (±STDEV, n= 3 biological replicates, \*\* P≤0.05, Student's t-test). RR: Resistance Ratio.

LC: Lethal concentration (95% confidence intervals in parenthesis).