



Article

Integrated Strategies for *Aedes aegypti* Control Applied to Individual Houses: An Approach to Mitigate Vectorial Arbovirus Transmission

Table S1. Description of the reagents used for samples of *Aedes aegypti* and *Culex quinquefasciatus* in the RT-qPCR *singleplex* reaction for ZIKV detection.

Reagent	Concentration	Measure (μL)
H2O	-	1,15
QuantiNova Probe RT-PCR Master Mix	2x	5,0
Primer ZIKV1163c	100 μM	0,08
Primer ZIKV1087	100 μM	0,08
Probe FAM - ZIKV	25 μM	0,04
QuantiNova ROX™	200 x	0,05
QuantiNova RT Mix	100 x	0,1
RNA		3,5
Final measure	-	10

Table S2. - Description of the reagents used for samples of *Aedes aegypti* in the RT-qPCR *duplex* reaction for CHIKV and DENV detection. .

Reagent	Concentration	Measure (μL)
H2O	-	0,95
QuantiNova Probe RT-PCR Master Mix	2x	5,0
Primer CHIKV 6856	100 μM	0,08
Primer CHIKV 6981	100 μM	0,08
Probe VIC - CHIKV	25 μM	0,04
Primer DENV G Fw	100 μM	0,08
Primer DENV G Rv	100 μM	0,08
Probe Cy5 - DENV	25 μM	0,04
QuantiNova ROX™	200 x	0,05
QuantiNova RT Mix	100 x	0,1
ARN		3,5
Final measure	-	10

Table S3. - Description of the primers and probes used in the RT-qPCR reactions.

Primer/Probe	5' – 3'
Primer ZIKV1163c	CCACTAACGTTCTTTTGCAGACAT
Primer ZIKV1087	CCGCTGCCCAACACAAG
Primer CHIKV 6856	TCA CTC CCT GTT GGA CTT GAT AGA
Primer CHIKV 6981	TTG ACG AGA GTT AGG AAC ATA CC
Primer DENV G Fw	AAGGACTAGAGGTTAGAGGAGACCC
Primer DENV G Rv	CGTTCTGTGCCTGGAATGATG
Probe FAM – ZIKV	AGCCTACCTTGACAAGCAGTCAGACACTCAA
Probe VIC - CHIKV	AGGTACGCGCTTCAAGTTCGGCG
Probe Cy5 - DENV	AACAGCATATTGACGCTGGGAGAGACCAGA