

TABLE

Primers and reverse-transcription-polymerase chain reaction (RT-PCR) (generic/nested) conditions for arboviral detection in target groups

Arboviruses group	Primers	Gene target	Conditions for RT-PCR	Reference
Alphavirus	Alpha1+ GAYGCITAYYTIGAYATGGTIGAIGG Alpha1- KYTCYTCIGTRTGYTTIGTICCIGG	nSP4	1 cycle - 45 min/48°C 40 cycles: 30 sec/94°C, 1 min/52°C, 30 sec/68°C 1 cycle - 5 min/68°C	58
	Alpha2+ GIAAYTGAAAYGTIACICARATG Alpha 2- GCRAAIARIGCIGCIGCYTYIGGICC		1 cycle - 2 min/94°C 40 cycles: 30 sec/94°C, 1 min/52°C, 15 sec/72°C 1 cycle - 5 min/72°C	
Flavivirus	Flavi1+ GAYYTIGGITGYGGIIGIGGIRGITGG Flavi1- TCCCAICCGICIRTRTCRTCIGC	NS5	1 cycle - 45 min/38°C 40 cycles: 30 sec/94°C, 1 min/47°C, 75 sec/68°C 1 cycle - 5 min/68°C	57
	Flavi2+ YGYRTIYAYAWCAYSATGGG Flavi2- CCARTGITCYKYRTTIAIRAAICC		1 cycle - 2 min/94°C 40 cycles: 30 sec/94°C, 1 min/47°C, 15 sec/72°C 1 cycle - 5 min/72°C	