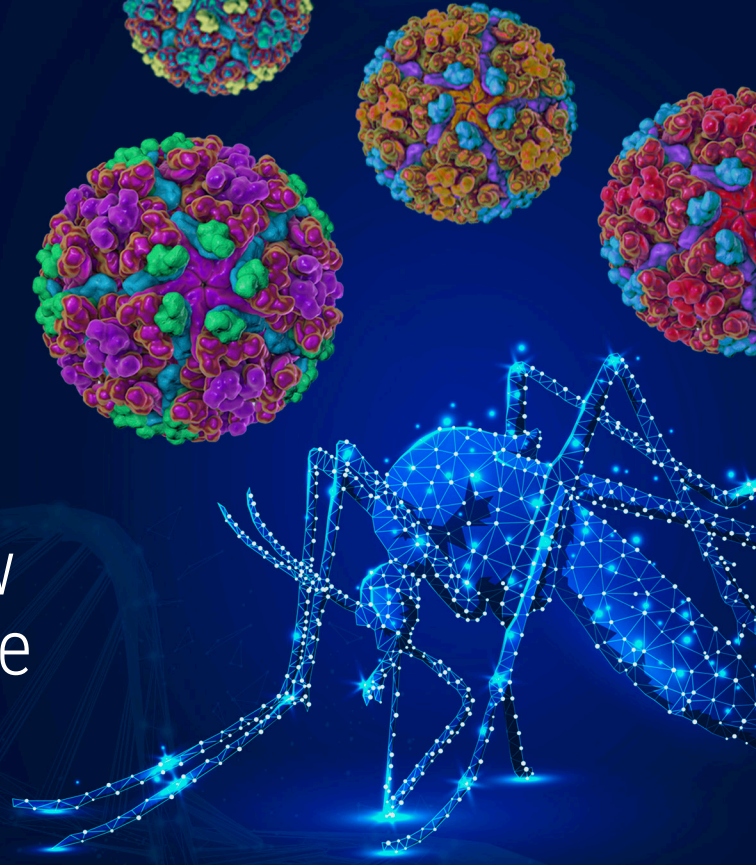


Mosquito-borne arboviruses

What you need to know in a single reaction tube



ZIKV/DENV/CHIKV REALTIME PCR KIT

Real-time reverse transcription and amplification of nucleic acids in one step for detection of Zika, dengue and chikungunya viruses in human serum and plasma samples.

- 4 targets Multiplex PCR detection- one single reaction tube per sample.
- Bacteriophage MS2 RNA internal control- for monitoring the carry-over of amplification inhibitors, sample RNA integrity and the correct amplification set-up.
- Suitable for 4-channel qPCR cyclers: FAM, HEX (VIC), Texas Red (ROX) and Cy5.
- Fast and reliable results in under 2 hours.
- Lyophilized master mix and positive control to ensure stability and reduce transportation costs.
- Different kit presentations for greater user convenience: vials and pre-dispensed strips.



Ref. RTPCR004-LP



Ref. RTPCR004

Mosquito-borne arboviruses

CONTENT

Single mix, Reconstitution solution, Positive control and Negative control. The mix includes internal control primers/probes for monitoring the carry-over of amplification inhibitors and the correct amplification set-up.

Kit formats:

Ref. RTPCR004 contains 6 glass vials of lyophilized master mix. Reaction tubes are not included.

Ref. RTPCR004-LP contains caps and 12x8 PCR strips with pre-dispensed lyophilized master mix.

TARGETS

	Target	Channel
ZIKV	E gene	FAM
DENV	3'UTR gene	HEX/VIC
CHIKV	nsP2 gene	Texas Red/ROX
Internal control (IC)	MS2 RNA	Cy5

COMPATIBILITY

Extraction systems:

Qiagen (Viral RNA Mini Kit & MinElute Virus Spin Kit), bioMérieux (NucliSENS® easyMag®), Roche (MagNA Pure System), TANBead (Maelstorm 9600), ThermoFisher (KingFisher Flex) and Bruker (GenoXtract 12) among others.

RealTime PCR thermocyclers:

Bio Rad (CFX96), Roche (LightCycler® 96, 480 and COBAS® z480), Agilent (Aria Mx), Applied Biosystems (7500 Fast) and QuantStudio 5, among others.

PERFORMANCE

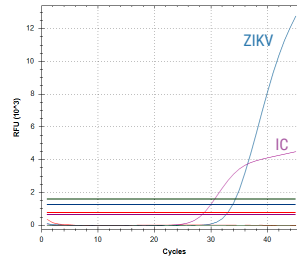
	Sensitivity	Specificity	No. of samples
ZIKV	100%	100%	60
DENV	100%	100%	60
CHIKV	100%	100%	60

Analytical sensitivity - Limit of detection:

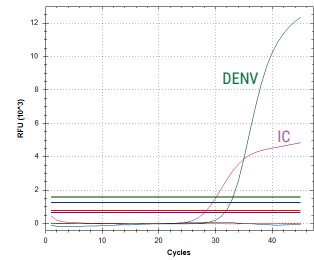
	copies/ml	copies/reaction
ZIKV	700	3.5
DENV	3800	19
CHIKV	200	1

INTERPRETATION OF RESULTS

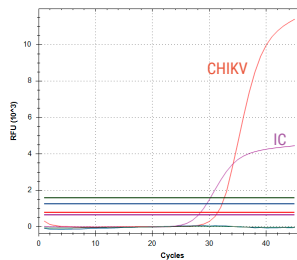
Zika virus



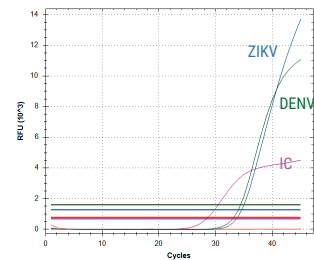
Dengue virus



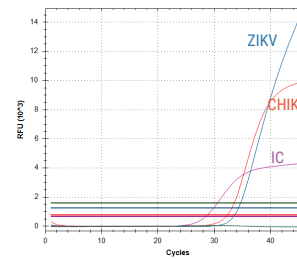
Chikungunya virus



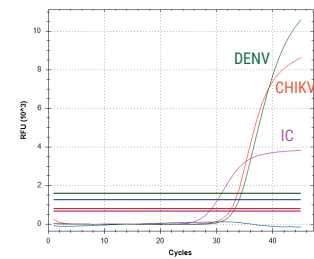
Zika virus & dengue virus co-infection



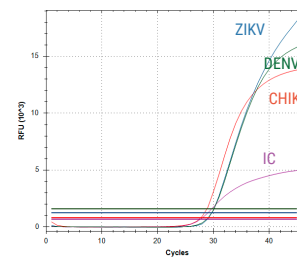
Zika virus & chikungunya virus co-infection



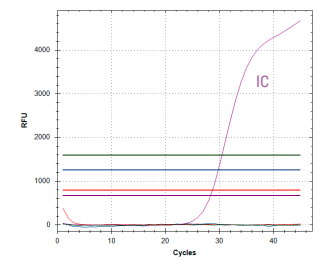
Chikungunya virus & dengue virus co-infection



Zika virus, dengue virus & chikungunya virus co-infection



Negative control



ORDERING INFORMATION AND RELATED PRODUCTS

Description	Reference	Content
ZIKV/DENV/CHIKV REALTIME PCR KIT NEW	RTPCR004 RTPCR004-LP	48 tests 96 tests
AMPLIRUN® TOTAL ZIKV/DENV/CHIKV CONTROL (PLASMA)	MBTC023	10 vials
AMPLIRUN® ZIKA VIRUS (ASIAN LINEAGE) RNA CONTROL	MBC103	12,500-20,000 copies/µl
AMPLIRUN® ZIKA VIRUS RNA CONTROL	MBC072	12,500-20,000 copies/µl
AMPLIRUN® DENGUE 1 VIRUS RNA CONTROL	MBC055	12,500-20,000 copies/µl
AMPLIRUN® DENGUE 2 VIRUS RNA CONTROL	MBC056	12,500-20,000 copies/µl
AMPLIRUN® DENGUE 3 VIRUS RNA CONTROL	MBC057	12,500-20,000 copies/µl
AMPLIRUN® DENGUE 4 VIRUS RNA CONTROL	MBC058	12,500-20,000 copies/µl
AMPLIRUN® CHIKUNGUNYA VIRUS RNA CONTROL	MBC099	12,500-20,000 copies/µl

Vircell S.L.

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