

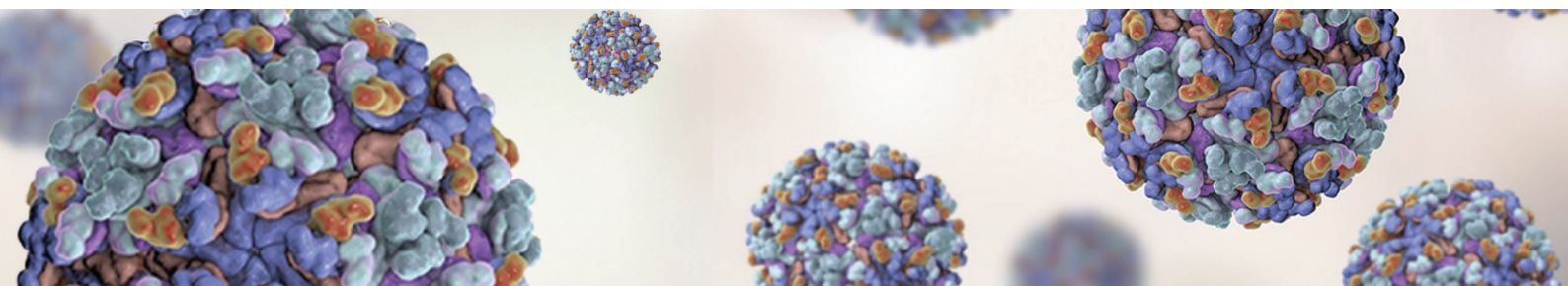


Truenat[®] Dengue/Chikungunya

Chip-based Real-Time Duplex PCR Test
for Dengue/Chikungunya



CE



Molecular Precision. One Test. Two Answers.

Dengue and Chikungunya often strike together—and look alike. Transmitted by the same *Aedes* mosquitoes, both infections present with:

High Fever Rash Headache Body Aches

Yet their clinical implications demand sharply different care pathways.



Why Differentiation Matters

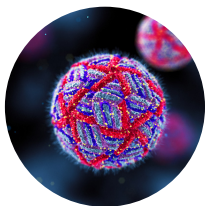
Dengue can escalate to Dengue Hemorrhagic Fever (DHF) or Dengue Shock Syndrome (DSS) in secondary infections.

Chikungunya, though rarely fatal, causes chronic joint pain and is often misclassified, delaying recovery and care¹.

Early diagnosis is essential for fluid management and NSAID avoidance².

The Truenat[®] Solution

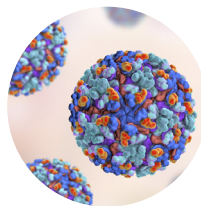
A duplex RT-PCR assay for simultaneous detection and differentiation of:



Dengue 3' UTR region.

Serotypes covered:

- DEN-1 • DEN-3
- DEN-2 • DEN-4



Chikungunya virus via conserved nsP4 gene.

Genotypes covered:

- Asian • West African
- East/Central/South African (ECSA)

Know for sure in under 60 minutes



Single RNA
extraction



Minimal
training



Fully automated
platform

Why Truenat® Dengue/ Chikungunya



Detects co-infections –
often missed by NS1 or IgM
ELISA



Guides treatment – informing
fluid therapy, hospitalisation,
and drug choices



Enables early diagnosis –
even in febrile, asymptomatic,
or pediatric cases



Empowers point-of-care –
operable in peripheral and
resource-limited settings

Co-infection rates
can reach up to **25%** in outbreaks

(*Saswat et al., PLoS ONE, 2022)

**SCREENING AND
DIAGNOSIS WITH MOLBIO'S**

Truenat®
Dengue/Chikungunya

**Closing the diagnostic gap in
vector-borne disease.**

Accurate. Actionable. Accessible.



KEY FEATURES



Multiplex RT-PCR for dual-target detection



Battery-operated, field-deployable system



Single-use disposable consumables



Lyophilized, ready-to-use PCR reagents



Smart chip
Replete with batch-specific data



Minimal biosafety requirements
Can be used even in resource limited settings



Long shelf life
Storage at room temperature



Contamination/evaporation-resistant design
To provide maximum control

ORDERING INFORMATION

Pack Size	5T	20T	25T	50T
Cat. No.	601040005	601040020	601040025	601040050



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