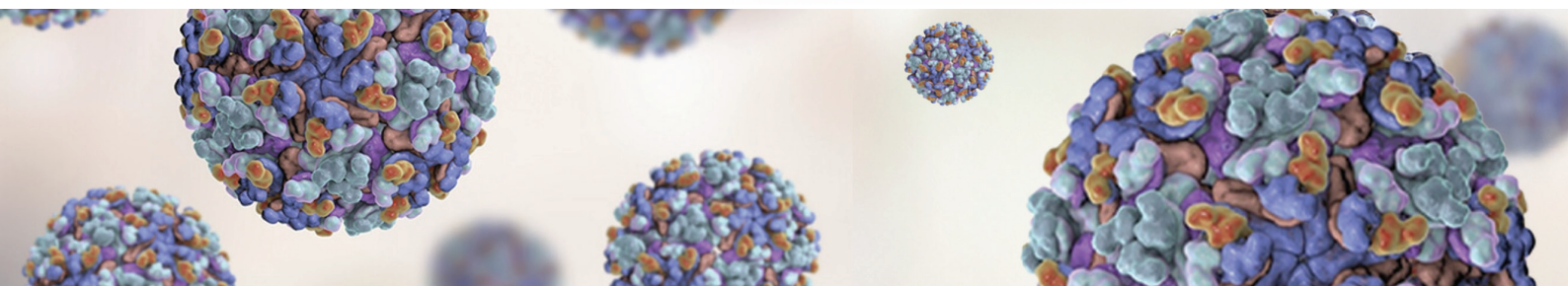




# Truenat<sup>®</sup> Dengue/Chikungunya

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



# 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

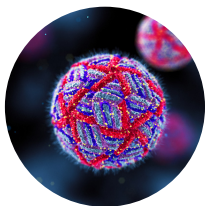
Dengue can escalate to Dengue Hemorrhagic Fever (DHF) or Dengue Shock Syndrome (DSS) in secondary infections.

Chikungunya, though rarely fatal, causes chronic joint pain and is often misclassified, delaying recovery and care<sup>1</sup>.

Early diagnosis is essential for fluid management and NSAID avoidance<sup>2</sup>.

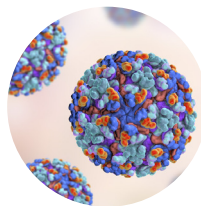
## The Truenat® Solution

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



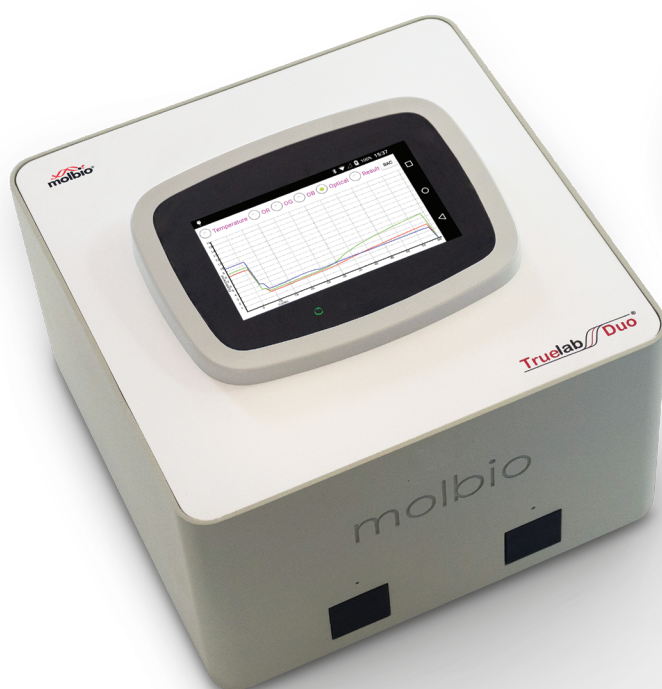
**Empowers point-of-care –**  
operable in peripheral and  
resource-limited settings

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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