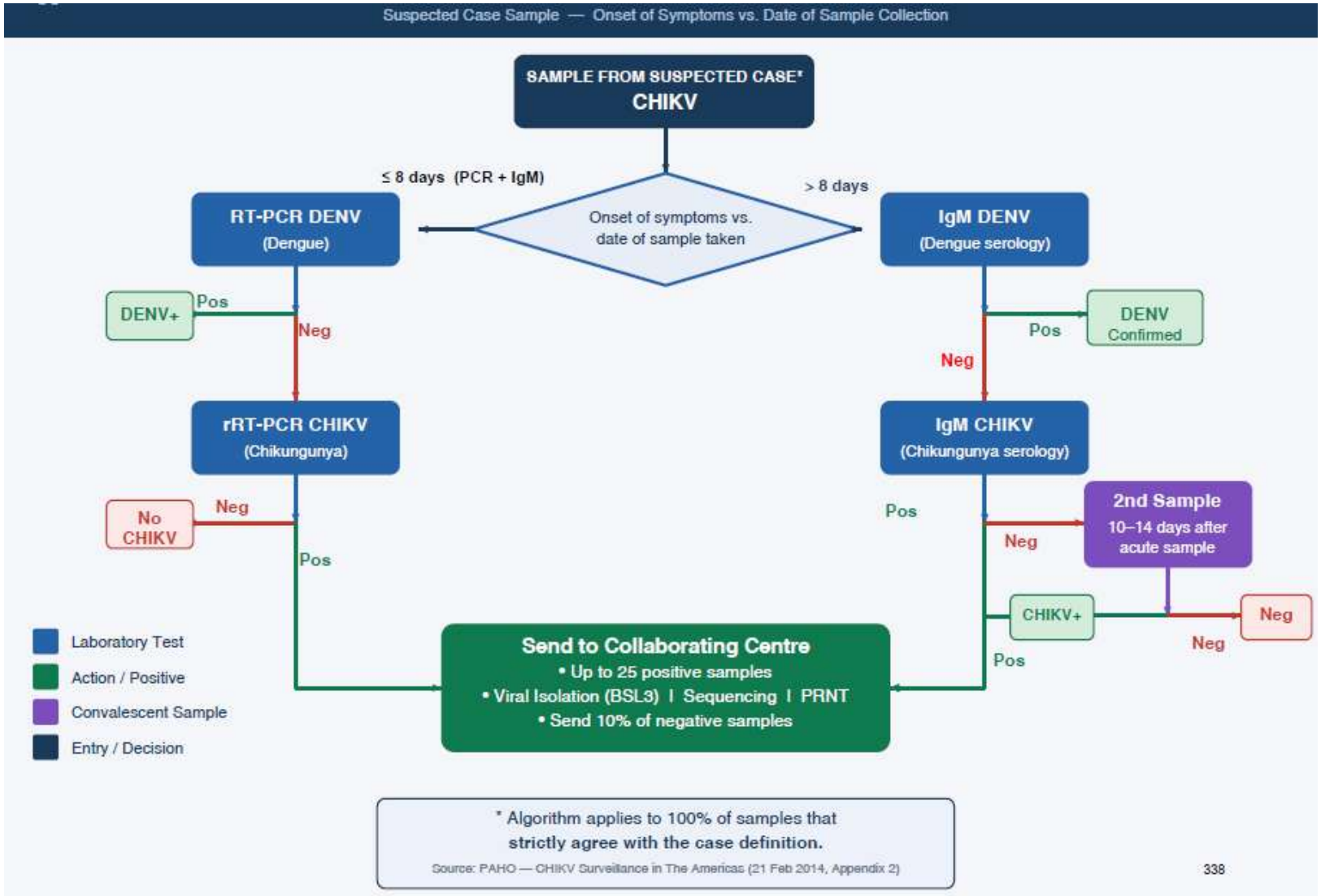

Suspected Case Sample — Onset of Symptoms vs. Date of Sample Collection
SAMPLE FROM SUSPECTED CASE*
CHIKV
≤ 8 days (PCR + IgM)
Onset of symptoms vs. date of sample taken
> 8 days
RT-PCR DENV
(Dengue)
IgM DENV
(Dengue serology)
DENV+
Pos
Neg
Pos
DENV Confirmed
Neg
rRT-PCR CHIKV
(Chikungunya)
IgM CHIKV
(Chikungunya serology)
No CHIKV
Neg
Pos
Pos
Neg
2nd Sample
10–14 days after acute sample
CHIKV+
Neg
Neg
Pos
Send to Collaborating Centre
• Up to 25 positive samples
• Viral Isolation (BSL3) I Sequencing I PRNT
• Send 10% of negative samples
Laboratory Test
Action / Positive
Convalescent Sample
Entry / Decision
* Algorithm applies to 100% of samples that strictly agree with the case definition.
Source: PAHO — CHIKV Surveillance in The Americas (21 Feb 2014, Appendix 2)
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