



The Ultimate Resource for Dengue Diagnostics

Dengue infection is a leading cause of illness and death in the tropics and subtropics with 100 million people infected annually.

Dengue infection can be diagnosed by detection of:

- 1) Dengue virus RNA by PCR as an indication of current infection
- 2) IgM anti-dengue virus as an indication of recent infection
- 3) IgG anti-dengue virus as an indication of recent infection or previous infection
- 4) Dengue antigens, such as NS1 as an indication of current infection

The CTK OnSite Dengue Rapid Test and RecombiLISA dengue ELISA are new generation immunoassays using in-house manufactured, highly active and highly purified recombinant dengue type 1, 2, 3, and 4 antigens, as well as specific dengue antibodies, which allow for early detection of infection so immediate action can be taken. The four *Positivia* serotype NS1 Test controls can be utilized to monitor NS1 test quality and test procedure.

OnSite Rapid Tests

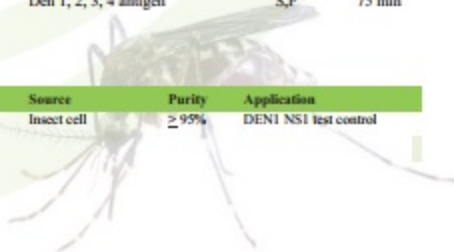
Catalog	Product	Detection	Sample	Time
R0061C	Dengue IgG/IgM Combo Rapid Test CE	3 line test for IgG & IgM to DEN 1, 2, 3 & 4	S,P, WB	20 min
R0062C	Duo Dengue Ag - IgG/IgM Rapid Test CE	2 panel test for IgG & IgM to DEN 1, 2, 3 & 4 and DEN 1, 2, 3, 4 Ag	S,P, WB	20 min
R0063C	Dengue Ag Rapid Test CE	2 line test for DEN 1, 2, 3 & 4 Ag	S,P, WB	20 min
R0069C	Duo Dengue IgG/IgM-CHIK IgM Rapid Test CE	2 panel test for IgG&IgM to DEN 1, 2, 3 & 4 and CHIK IgM	S,P, WB	20 min

ELISA Test Kits

Catalog	Product	Detection	Sample	Time
E0310	Dengue IgM ELISA Kit CE	IgM to Den 1, 2, 3, 4	S,P	75 min
E0311	Dengue IgG ELISA Kit CE	IgG to Den 1, 2, 3, 4	S,P	75 min
E0312	Dengue Ag ELISA Kit CE	Den 1, 2, 3, 4 antigen	S,P	75 min

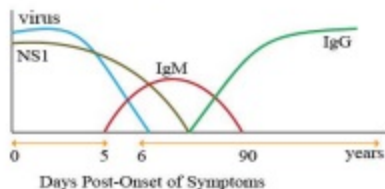
Positivia Rapid Test Controls

Catalog	Product	Source	Purity	Application
C0063	Dengue Ag Rapid Test Control Kit	Insect cell	≥ 95%	DEN1 NS1 test control

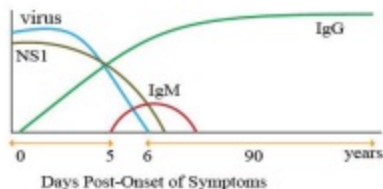


Immunologic Response to Dengue Infection

Primary Dengue Infection



Secondary Dengue Infection



OnSite Dengue Rapid Test Performance - The Latest Evaluation

Sample	OnSite Dengue Ag Rapid Test	Leader's Dengue Ag Rapid Test	Patient ID	Sero-type	OnSite Dengue IgM	OnSite Dengue IgG	Fever Day
1	Positive	Positive	43	3	Positive	Positive	4
2	Positive	Positive	46	TBD	Positive	Negative	4
3	Positive	Positive	47	TBD	Positive	Negative	4
4	Negative	Negative	54	3	Positive	Negative	6
5	Weak positive	Positive	55	2	Weak Positive	Weak positive	3
6	Negative	Negative	58	2	Positive	Positive	5
7	Negative	Negative	59	2+3	Positive	Positive	8
8	Positive	Positive	60	2+3	Positive	Weak positive	4
9	Positive	Positive	62	2	Weak Positive	Positive	3
10	Positive	Positive	63	2+3	Weak Positive	Positive	3
11	Negative	Negative	66	2	Positive	Positive	5
12	Negative	Negative	67	2	Positive	Positive	8
13	Negative	Negative	68	2+3	Positive	Positive	3
14	Positive	Positive	69	3	Negative	Negative	3
15	Negative	Negative	70	2+3	Positive	Positive	5
16	Positive	Positive	71	2+3	Negative	Weak positive	2
17	Positive	Positive	76	2	Negative	Positive	2
18	Negative	Negative	78	2	Positive	Negative	3
			79	2	Positive	Positive	5
			80	1+3	Negative	Weak positive	2
			American #1	control	Negative	Negative	N/A
			American #2	control	Negative	Negative	N/A
			American #3	control	Negative	Negative	N/A
			American #4	control	Negative	Negative	N/A
			Endemic	control	Negative	Positive	N/A

