

Zika Virus Persistence and Higher Viral Loads in Cutaneous Capillaries Than in Venous Blood

Technical Appendix

Technical Appendix Table. Kinetics of Zika virus load in venous and capillary blood samples from 21 patients, French Guiana, 2016*

Patient no.	Age, y	Sex	Day after symptom onset	Cycle threshold		Zika virus load, log ₁₀ copies/mL	
				Venous blood	Urine	Venous blood	Capillary blood
1	40	M	3	33.26	32.77	3.8	NA
			8			<1.8	2.8†
2	45	M	3	33.26	32.77	2.8	<1.8†
			6			2.3	<1.8†
			7			<1.8	<1.8
3	59	F	2	36.75	34.02	2.6	3.9†
			3			<1.8	3.1†
			5			<1.8	<1.8
			10			<1.8	<1.8
4	34	M	2	38.01	28.41	2.2	3.7†
			4			<1.8	<1.8
			11			<1.8	<1.8
5	37	M	1	30.27	34.08	4.3	4.2
			3			<1.8	2.4
			7			<1.8	2.6
6	28	F	4	31.00	NA	4.6	NA
			5			4.1	4.2
			7			<1.8	2.8
7	42	M	2	34.29	36.88	3.6	4.8†
			3			<1.8	3.5
			5			<1.8	2.7
			8			<1.8	<1.8†
8	41	F	3	Negative	29.00	<1.8	3.7
9	34	F	2	36.92	35.00	2.9	3.1
			7			<1.8	<1.8†
			3			3.3	3.4†
10	41	M	5	35.35	33.63	<1.8	<1.8
			10			<1.8	<1.8
			2			36.64	30.17
11	35	M	3	36.64	30.17	<1.8	2.6
			5			<1.8	2.5
			8			<1.8	2.4
			3			34.16	32.9
12	39	M	6	34.16	32.9	<1.8	<1.8†
			10			<1.8	<1.8†
			3			36.97	27.63
13	39	M	5	36.97	27.63	<1.8	<1.8
			10			<1.8	<1.8†
			2			33.48	36.45
14	45	M	3	33.48	36.45	<1.8	3.3†
			6			<1.8	<1.8†
			8			<1.8	<1.8†
			1			33.96	29.27
15	46	M	3	33.96	29.27	3.1	3.5
			5			NA	3.8†
			7			2.3	4.2
			3			31.37	34.44
16	63	F	8	31.37	34.44	<1.8	<1.8
			3			<1.8	2.5
			10			<1.8	<1.8

Patient no.	Age, y	Sex	Day after symptom onset	Cycle threshold		Zika virus load, log ₁₀ copies/mL	
				Venous blood	Urine	Venous blood	Capillary blood
17	44	M	2	37.38	34.17	2.5	5.7†
			3			<1.8	<1.8†
			5			<1.8	<1.8†
			7			<1.8	<1.8†
18	32	F	1	30.92	34.70	4.3	NA
			3			3.0	3.1†
			7			<1.8	<1.8†
			15			<1.8	<1.8
19	35	M	4	Negative	36.56	<1.8	3.8†
			6			<1.8	3.2†
			8			<1.8	3.7
			18			NA	1.9
20	41	F	2	31.99	37.00	4.1	4.4†
			4			<1.8	3.7†
			7			<1.8	3.6
			14			<1.8	<1.8
21	35	F	1	34.91	NA	3.4	<1.8†
			3			<1.8	<1.8†
			6			<1.8	<1.8
			13			<1.8	<1.8†

*NA, not available; RT-PCR, reverse transcription PCR. Quantification was performed by real-time RT-PCR (RealStar Zika Virus RT-PCR Kit 1-0 CE; Altona Diagnostics GmbH, Hamburg, Germany) with a detection threshold of 1.8 log₁₀ copies/mL.
†Volume of sample used for extraction was <50 µL.