

**Table S2. Detection of Chikungunya virus and orthogonal confirmation of probable pathogens through qPCR.** For CHIKV confirmation, we used qScript XLT 1-Step RT-qPCR ToughMix Low-ROX (Cat. No. 95134-100). For the remaining confirmations, we used Quantabio PerfeCTa qPCR ToughMix, Low Rox (Cat. No. 95114-012). For reverse transcription, we used Quantabio qScript cDNA Super Mix (Cat. No. 95048-100): 25°C for 5 min, 42°C for 30 min, 85°C for 5 min.

Sample ID	Pathogen	Template	Primers	Probes	qPCR conditions
CHRF_0012, CHRF_0071, CHRF_0094	CHIKV	Whole CSF*	F:5'AAAGGGCAAACCTC AGCTTCAC; R: 5'GCCTGGGCTCATCGT TATTC	FAM- CACCGACGGCGA GACCGACTTT- BHQ1	50°C for 10 min, 95°C for 1 min, 45 cycles of 95°C for 15 s, 60°C for 1 min.
CHRF_0010	Enterovirus B	CSF-RNA	F:5'CCTGAATGCGGCT AATCC; R:5'TTGTACCATWAG CAGYCA	FAM- CCGACTACTTTGG GWGTCCGTGT- BHQ1	95°C for 30 s, 40 cycles: 95°C for 15 s, 60°C for 30 s
CHRF_0011, CHRF_0036	Mumps	CSF-RNA	F:5'GTATGACAGCGTA CGACCAACCT; R:5'GCGACCTTGCTGC TGGTATT 3'	FAM- CCGGTCTGCTGA TCGGCGAT-BHQ	95°C for 30 s, 40 cycles: 95°C for 5 s, 60°C for 15 s, 70°C for 10 s
CHRF_0059	<i>S. maltophilia</i>	CSF-RNA	F:5'GCCGAAAGCCCAA GGTTT; R:5'CGACTTTCGTCCTC GCCTTA 3'	FAM- CGCAACGTTAATC GGCGCAGG- TAMRA	95°C for 30 s, 40 cycles: 95°C for 5 s, 60°C for 15 s, 70°C for 10 s
CHRF_0082	<i>S. enterica</i>	Whole CSF	F:5'CTCACCAGGAGAT TACAACATGG; R:5'AGCTCAGACCAA AGTGACCATC	FAM- CACCGACGGCGA GACCGACTTT- BHQ1	95°C for 30 s, 40 cycles: 95°C for 15 s, 60°C for 30 s
CHRF_0058	<i>M. tuberculosis</i>	Whole CSF	F:5'GTCGAACGGCTGA TGACCAAACCT; R:5'TCCGAAGCGGCGC TGGACGA; F1:5'AACGGCTGATGA CCAAACTC 3'; R1:5'AAGCGGCGCTGG ACGAGATC	Probe1: FAM- ACCACGATCGCT GATCCGGCCACA- BHQ1; Probe2: FAM- ACCCGCGGCAAA GCCCGCAGG- BHQ1	95°C for 10 min, 95°C 10 min; 10 cycles: 95°C 15 s, 65°C 30 s; 40 cycles: 95°C 15s, 60°C 30 s
CHRF_0070	<i>B. cereus</i>	Whole CSF	F:5'ACTGTATTAGAA GGGCGCGG; R:5'TAAAGCCACCGCC AAGTACA 3'	N/A	95°C for 10 min, 95°C for 30 s , 40 cycles: 95°C for 5 s, 57°C for 15 s, 70°C for 10 s