

1 Supplementary Table 2: Determination of Blood Culture performance.

A) Overall population | Comparator (True positive) = Multiplex PCR Assay

Blood Culture	TP	FP	FN	TN	Se (%)	Spe (%)	LR+	LR-	DOR	PT+ (%)	PT- (%)
<i>All (n=680)</i>	91	7	45	537	66.9	98.7	52.0	0.34	155.1	93	8
<i>≤ 17 years (n=549)</i>	81	4	36	428	69.2	99.1	74.8	0.31	240.8	95	8
<i>> 17 years (n=131)</i>	10	3	9	109	52.6	97.3	19.6	0.49	40.4	77	8

2

B) Volume BC – Volume PCR ≥ -0.1mL | Comparator (True positive) = Multiplex PCR Assay

Blood Culture	TP	FP	FN	TN	Se (%)	Spe (%)	LR+	LR-	DOR	PT+ (%)	PT- (%)
<i>All (n=214)</i>	28	6	18	162	60.9	96.4	17.0	0.41	42.0	82	10
<i>≤ 17 years (n=123)</i>	20	3	9	91	69.0	96.8	21.6	0.32	67.4	87	9
<i>> 17 years (n=91)</i>	8	3	9	71	47.1	95.9	11.6	0.55	21.0	73	11

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5 **Legend:** TP, True Positive; FP, False Positive; TN, True Negative; FN, False Negative; Se, sensitivity;
 6 Spe, specificity; LR+, Positive Likelihood Ratio; LR-, Negative Likelihood Ratio; DOR, Diagnostic Odds
 7 Ratio; PT+, Positive Post-test probability; PT-, Negative Post-test probability.

8 Supplementary Table 2 shows analysis of blood culture performance in suspected cases with
 9 (A)/without (B) difference in volume (Volume BC – Volume PCR) ≥ -0.1mL. Performances in clinical
 10 setting (confidence interval = 95%) were calculated with R3.4.4 software and epiR package.

11