

Supplemental Table S1A. Association between clinical biomarkers with sepsis on day 0 and day 1 for infants enrolled in the NICU (N=110^a, cases of *Staphylococcus epidermidis* removed from analyses). **Supplemental Table S1B.** Sensitivity, specificity, PPV, NPV, positive likelihood ratio, negative likelihood ratio, and AUC of baseline PCT and CRP for sepsis, at defined cutoff levels.

Table S1A.		Sepsis			
	Adjusted OR	95% CI	p-value		
CRP (mg/L)	1.07	(1.02, 1.11)	0.002		
PCT (ng/ml)	1.01	(0.98, 1.04)	0.62		

Table S1B.		Sensitivity	Specificity	PPV	NPV	Positive likelihood ratio	Negative likelihood ratio	AUC^c
Biomarkers at defined cutoff								
CRP, 10 mg/L	0.56	0.76	0.37	0.87	2.33	0.58	0.74	
CRP, 3.1 mg/L	0.92	0.46	0.30	0.96	1.70	0.17		
PCT, 0.5 ng/ml	0.93	0.37	0.31	0.95	1.47	0.19	0.71	
PCT, 1.21 ng/ml	0.83	0.60	0.39	0.92	2.07	0.29		

^a Only 110 patients of the 139 total patients had complete data; some patients had missing CRP and/or PCT values.

^b The estimates are derived from a logistic regression model with sepsis status as the outcome, and CRP and PCT as predictors, adjusted for study site (adjusted ORs not presented).

Abbreviations: NICU, neonatal intensive care unit; OR, odds ratio; CI, confidence interval; CRP, C-reactive protein; PCT, procalcitonin; JMCGH, Jackson-Madison County General Hospital; PPV, positive predictive value; NPV, negative predictive value; AUC, area under the curve.

^c AUC values represent the overall discrimination of each biomarker across all thresholds (from ROC analysis), not performance at the specific cutoff shown. Therefore, AUC remains constant for different cutoffs of the same biomarker.

Supplemental Figure. Distribution of samples collected from initial time of presentat

