

Table 3. *Biomarkers for monitoring.*

Biomarker	Conditions	AUC / Sensitivity / Specificity	Stage / Clinical Context
CRP	Inflammation, Sepsis	Not reported	Sepsis, Septic shock, ICU monitoring
WBC	Inflammation, Sepsis	Notreported	General inflammatory response in sepsis
NLR	Sepsis, SIRS	Not reported	Used to monitor immune trajectory in sepsis
Lactate	Sepsis, Septic Shock	Not reported	Used in screening, therapy guidance, and sepsis definitions