

**Table 2.** *Biomarkers for rule out.*

Biomarker	Conditions	AUC	Sensitivity	Stage / Clinical Context
PSP	Bacterial Infection and Complications	0.90 (with CRP)	0.81 (with CRP)	Hospitalized patients, early detection
PCT	Bacterial Infection			General clinical use
MxA	Viral Infection		High	Used to exclude viral infection