

Table S2: Polymicrobial identification performance (pre-discrepancy testing) for the 24 analyzable runs

Species	True Positive	True Negative	False Positive	False Negative	Indeterminate	Sensitivity	Specificity	PPV	NPV
CNS	4	14	1	5	0	44.4%	93.3%	80.0%	73.7%
EFS	2	22	0	0	0	100%	100%	100%	100%
EFM	3	19	1	1	0	75.0%	95.0%	75.0%	95.0%
SAU	2	21	0	0	1	100%	100%	100%	100%
SLU	0	24	0	0	0	N/A	100%	N/A	100%
STR	3	19	2	0	0	100%	90.5%	60.0%	100%
ABA	0	24	0	0	0	N/A	100%	N/A	100%
CIT	0	23	0	1	0	0%	100%	N/A	95.8%
ENT	1	20	0	0	3	100%	100%	100%	100%
ECO	2	21	1	0	0	100%	95.5%	66.7%	100%
KLE	4	19	0	1	0	80.0%	100%	100%	95.0%
PRO	0	24	0	0	0	N/A	100%	N/A	100%
PAE	0	23	0	1	0	0%	100%	N/A	95.8%
SMA	1	23	0	0	0	100%	100%	100%	100%
CAL	0	23	0	1	0	0%	100%	N/A	95.8%
CGL	0	24	0	0	0	N/A	100%	N/A	100%
Gram-Positive Organisms	14	119	4	6	1	70.0%	96.8%	77.8%	95.2%
Gram-Negative Organisms	8	177	1	3	3	72.7%	99.4%	88.9%	98.3%
All Yeast	0	47	0	1	0	0%	100%	N/A	97.9%
All Organisms	22	343	5	10	4	68.8%	98.6%	81.5%	97.2%

PPV: Positive predictive value, NPV: Negative predictive value, CNS: Coagulase Negative *Staphylococcus* spp., EFS: *Enterococcus faecalis*, EFM: *Enterococcus faecium*, SAU: *Staphylococcus aureus*, SLU: *Staphylococcus lugdunensis*, STR: *Streptococcus* spp., ABA: *Acinetobacter baumannii*, CIT: *Citrobacter* spp., ENT: *Enterobacter* spp., ECO: *Escherichia coli*, KLE: *Klebsiella* spp., PRO: *Proteus* spp., PAE: *Pseudomonas aeruginosa*, SMA: *Serratia marcescens*, CAL: *Candida albicans*, CGL: *Candida glabrata*