

Table S5: Discrepancy Analysis for Identification Errors

Discrepant Results	Number	Discrepancy Resolution		Comments
		Resolved to SOC	Resolved to AXDX	
				Bolded items were resolved in favor of AXDX
False Positive Organisms	45	39	6	
CNS	10	10	0	2 <i>S. saprophyticus</i> ; 2 <i>S. aureus</i> ; 1 <i>S. pyogenes</i> ; 2 <i>S. pneumoniae</i> ; 1 <i>C. parapsilosis</i> ; 1 viridans streptococci; 1 anaerobic GPC
EFM	3	3	0	1 <i>Streptococcus lutetiensis</i> ; 1 <i>Serratia marcescens</i> ; 1 <i>Moraxella</i> spp.
SAU	11	11	0	6 <i>Staphylococcus epidermidis</i> ; 1 <i>S. hominis</i> ; 1 <i>S. caprae</i> ; 1 <i>E. coli</i> ; 1 <i>Enterococcus faecalis</i> ; 1 <i>Streptococcus pneumoniae</i>
STR	9	3	6	6 viridans streptococci were <i>Streptococcus mitis/oralis</i> ; 1 <i>S. anginosus</i> ; 1 <i>S. pyogenes</i> ; 1 <i>S. lutetiensis</i>
ECO	2	2	0	1 <i>Shigella flexneri</i> ; 1 <i>Morganella morganii</i>
PRO	1	1	0	1 <i>Staphylococcus aureus</i>
CAL	1	1	0	1 <i>Enterococcus faecalis</i>
CGL	8	8	0	3 <i>E. coli</i> ; 1 <i>Proteus mirabilis</i> ; 1 <i>K. pneumoniae</i> ; 1 <i>Fusobacterium necrophorum</i> ; 1 <i>Bacillus</i> spp.; 1 <i>Staphylococcus epidermidis</i>
False Negative Organisms	13	10	3	
CNS	6	3	3	1 <i>Staphylococcus caprae</i>; 1 <i>S. cohnii</i>; 1 <i>S. lentus</i> ; 2 <i>S. epidermidis</i> ; 1 <i>S. haemolyticus</i>
EFM	1	1	0	1 <i>Enterococcus faecium</i>
SAU	1	1	0	1 <i>Staphylococcus aureus</i>
CIT	1	1	0	1 <i>Citrobacter freundii</i>
KLE	1	1	0	1 <i>Klebsiella pneumoniae</i>
PAE	2	2	0	2 <i>Pseudomonas aeruginosa</i>
CAL	1	1	0	1 <i>Candida albicans</i>
Total	58	49	9	

CNS: Coagulase Negative *Staphylococcus* spp., EFM: *Enterococcus faecium*, SAU: *Staphylococcus aureus*, STR: *Streptococcus* spp., ECO: *Escherichia coli*, PRO: *Proteus* spp., CAL: *Candida albicans*, CGL: *Candida glabrata*, CIT: *Citrobacter* spp., KLE: *Klebsiella* spp., PAE: *Pseudomonas aeruginosa*, SOC: Standard of Care, AXDX: Accelerate Pheno™ system, GPC: Gram-positive cocci