**Additional file 1 (Supplementary material):**

Can the Xpert MRSA/SA BC assay be used as an antimicrobial stewardship tool? A prospective assay validation and descriptive impact assessment study in a South African setting

*Supplementary Table 1: Diagnostic accuracy of the Xpert MRSA/SA BC assay on positive blood cultures containing Gram positive cocci in clusters on Gram stain, compared with culture-based methods (n=227)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Sensitivity  *n (%; 95% CI*) | Specificity  *n (%, 95% CI*) | PPV  n *(%, 95% CI*) | NPV  *n (%, 95% CI*) |
| *Staphylococcus aureus* | 57/57  *(100; 93.7-100)* | 170/170  *(100; 97.8-100)* | 57/57  *(100, 93.7-100)* | 170/170  *(100; 97.8-100)* |
| MSSA | 42/42  *(100, 91.6-100)* | 185/185  *(100, 98.0-100)* | 42/42  *(100, 91.6-100)* | 185/185  *(100, 98.0-100)* |
| MRSA | 15/15  *(100, 79.6-100)* | 212/212  *(100, 98.2-100)* | 15/15  *(100, 79.6-100)* | 212/212  *(100, 98.2-100)* |
| CoNS | 170/170  *(100, 97.8-100)* | 57/57  *(100, 93.7-100)* | 170/170  *(100, 97.8-100)* | 57/57  *(100, 93.7-100)* |

Data are presented as n (%)

CI: confidence interval; PPV: positive predictive value; NPV: negative predictive value; MRSA: methicillin-resistant *S. aureus*; MSSA: methicillin-sensitive *S. aureus*; CoNS: coagulase-negative staphylococci