

Intended Result	Your Report	Your Score
Specimen 4403 MRSA not detected (culture) MRSA not detected (molecular)	MRSA not detected (culture) MRSA not detected (molecular)	2 2
Specimen 4404 MRSA detected (culture) MRSA detected (molecular)	MRSA detected (culture) MRSA detected (molecular)	2 2

Cumulative score information

Total number of specimens sent to you for **UK NEQAS for MRSA screening** over the last 6 distributions is 12. For these distributions specimen numbers 3576 3577 3795 3796 3933 3934 4048 4049 4195 4196 4403 4404 have been sent.

Number of specimens reported too late for analysis (not scored) 0

Your cumulative score for the specimen/test combinations that you reported was 44 out of a possible total of 44

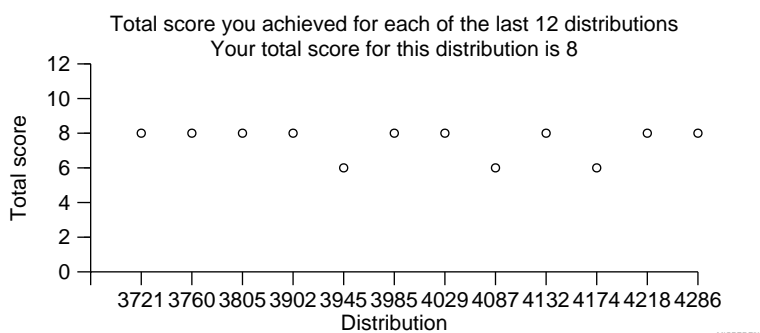
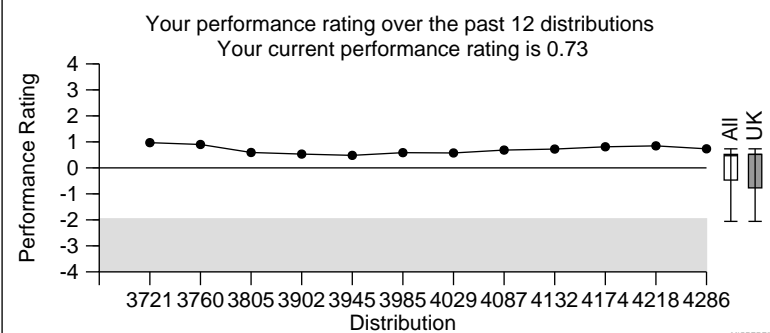
The mean score calculated from the reports returned by **UK** laboratories testing the specimen/test combinations you examined was 41.85 with a standard error of 2.93.

Performance rating

Your performance rating for **UK NEQAS for MRSA screening** (i.e. the number of standard errors by which your cumulative score lies above or below the mean for **UK** laboratories) is 0.73.

A performance rating of more than 1.96 standard errors below the mean indicates possible poor performance. Your performance rating may change if other participants' results are amended.

No score penalty is incurred for non return of reports. However non reporting of results may be used as a measure of poor performance.



Turn around time: The time taken to report your results was 7 days. This information is provided for your own use and does not form part of your performance assessment.

Comments

Specimen 4403: This specimen contained a MSSA (*spa* type t177). Participant performance was excellent with 98.7% (295/299) reporting a correct result via culture. For those participants using molecular techniques to screen for MRSA, 100% (101/101) of participants reported the correct result.

Specimen 4404: This specimen contained a MRSA (*spa* type t002) and a *Staphylococcus epidermidis*. Participant performance was excellent with 99.3% (297/299) reporting a correct result via culture. For those participants using molecular techniques to screen for MRSA, 99.1% (114/115) of participants reported the correct result.

Results tables on page 2

In the histograms on page 2 and subsequent pages a maximum of 12 kit results are displayed: this includes the most commonly used methods and the method(s) used in your laboratory indicated by an arrow(s). The figures in the histograms and those in the overall results tables may differ 1) due to exclusion of kits displayed in the histograms resulting in apparently lower numbers of data sets in the histograms or 2) due to participants using more than one kit resulting in higher numbers of data sets in the histograms.

Enumeration results

Participants submitted data on enumeration of MRSA present: the most common range from participants entering a result for specimen 4404, was 11-50 cfu per plate (n=91/197).

Enumeration data is collated and presented for your information. Participants may find it useful to refer to, particularly when investigating a discrepant result.

Enquiries

For repeat specimens please order using the web form or e-mail organiser@ukneqasmicro.org.uk stating your laboratory identification number, the distribution name and number, and specimen numbers.

Any technical enquiries related to this distribution, please contact Shila Seaton using the email address above. In-house test results are available should you experience a technical failure and wish to discuss the results.

To access the intended results and any additional comments, logon to the secure area of the website and click on the DIST button; usually available on the day following the closing date.

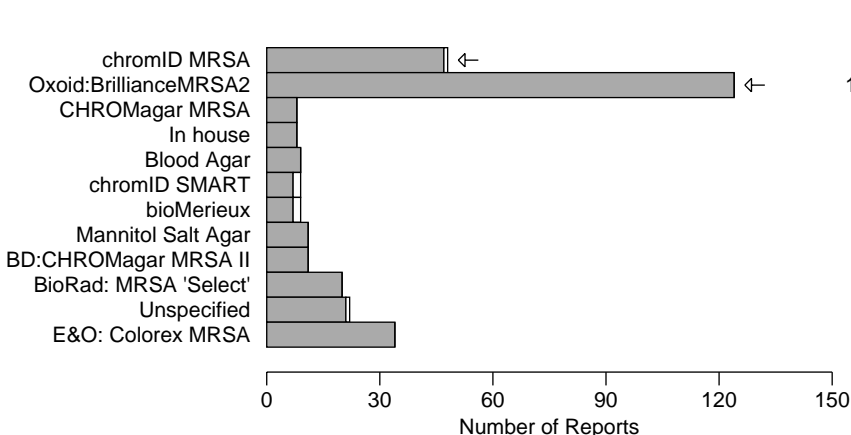
Acknowledgements We thank Dr Angela Kearns and her colleagues at the Staphylococcus Reference Service, Antimicrobial Resistance and Healthcare Associated Infections Reference Unit (AMRHAI), PHE-National Infection Service, Colindale for the supply of strains and provision of confirmatory testing. Report authorised by: Dr Paul Chadwick, Scheme Organiser



Two specimens were dispatched with a request to screen for MRSA, both were simulated nasal swabs. Specimen 4403 contained a MSSA, whilst specimen 4404 contained a MRSA and a *Staphylococcus epidermidis*.

Specimen : 4403

Culture result: MRSA not detected



Method	UK (%)	All (%)
chromID MRSA	15 (8.2)	48 (13.4)
Oxoid:BrillianceMRSA2	107 (58.2)	124 (34.7)
CHROMagar MRSA	0 (0.0)	8 (2.2)
In house	0 (0.0)	8 (2.2)
Blood Agar	1 (0.5)	9 (2.5)
chromID SMART	1 (0.5)	9 (2.5)
bioMerieux	3 (1.6)	9 (2.5)
Mannitol Salt Agar	0 (0.0)	11 (3.1)
BD:CHROMagar MRSA II	2 (1.1)	11 (3.1)
BioRad: MRSA 'Select'	6 (3.3)	20 (5.6)
Unspecified	4 (2.2)	22 (6.2)
E&O: Colorex MRSA	30 (16.3)	34 (9.5)

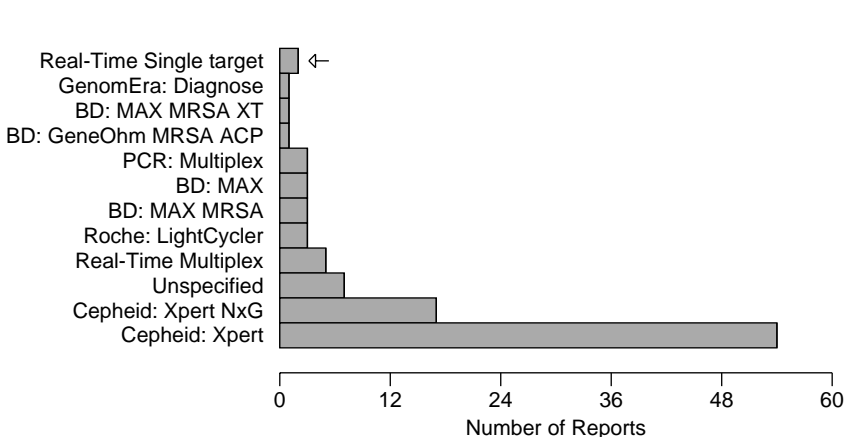
Your Report : MRSA not detected (culture)

Your Score : 2

Overall Results	UK	All	Score
Detected	1	4	-1
Not detected	166	295	2
Total	167	299	
% Correct	99.4	98.7	

Specimen : 4403

Molecular result: MRSA not detected



Method	UK (%)	All (%)
Real-Time Single target	1 (2.6)	2 (2.0)
GenomEra: Diagnose	0 (0.0)	1 (1.0)
BD: MAX MRSA XT	1 (2.6)	1 (1.0)
BD: GeneOhm MRSA ACP	1 (2.6)	1 (1.0)
PCR: Multiplex	0 (0.0)	3 (3.0)
BD: MAX	2 (5.3)	3 (3.0)
BD: MAX MRSA	2 (5.3)	3 (3.0)
Roche: LightCycler	0 (0.0)	3 (3.0)
Real-Time Multiplex	0 (0.0)	5 (5.0)
Unspecified	2 (5.3)	7 (6.9)
Cepheid: Xpert NxG	4 (10.5)	17 (16.8)
Cepheid: Xpert	25 (65.8)	54 (53.5)

Your Report : MRSA not detected (molecular)

Your Score : 2

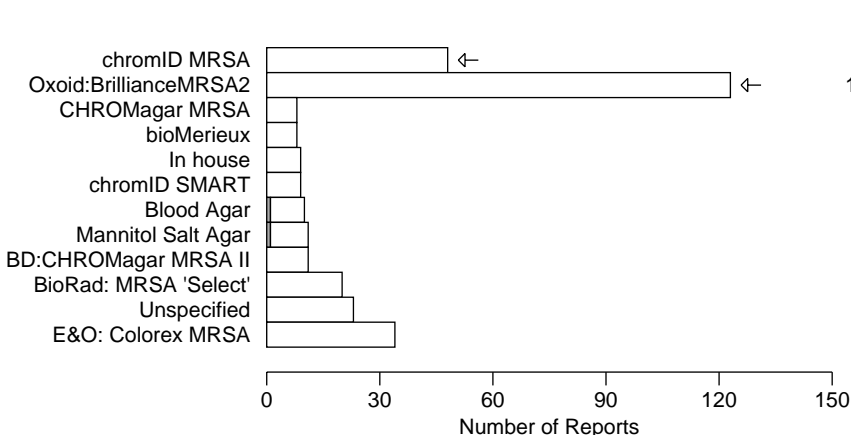
Overall Results	UK	All	Score
Detected	0	0	-1
Not detected	36	101	2
Invalid	0	0	
Total	36	101	
% Correct	100	100	



Two specimens were dispatched with a request to screen for MRSA, both were simulated nasal swabs. Specimen 4403 contained a MSSA, whilst specimen 4404 contained a MRSA and a *Staphylococcus epidermidis*.

Specimen : 4404

Culture result: MRSA detected



Method	UK (%)	All (%)
chromID MRSA	15 (8.2)	48 (13.4)
Oxoid:BrillianceMRSA2	106 (58.2)	123 (34.3)
CHROMagar MRSA	0 (0.0)	8 (2.2)
bioMerieux	2 (1.1)	8 (2.2)
In house	0 (0.0)	9 (2.5)
chromID SMART	1 (0.5)	9 (2.5)
Blood Agar	1 (0.5)	10 (2.8)
Mannitol Salt Agar	0 (0.0)	11 (3.1)
BD:CHROMagar MRSA II	2 (1.1)	11 (3.1)
BioRad: MRSA 'Select'	6 (3.3)	20 (5.6)
Unspecified	4 (2.2)	23 (6.4)
E&O: Colorex MRSA	30 (16.5)	34 (9.5)

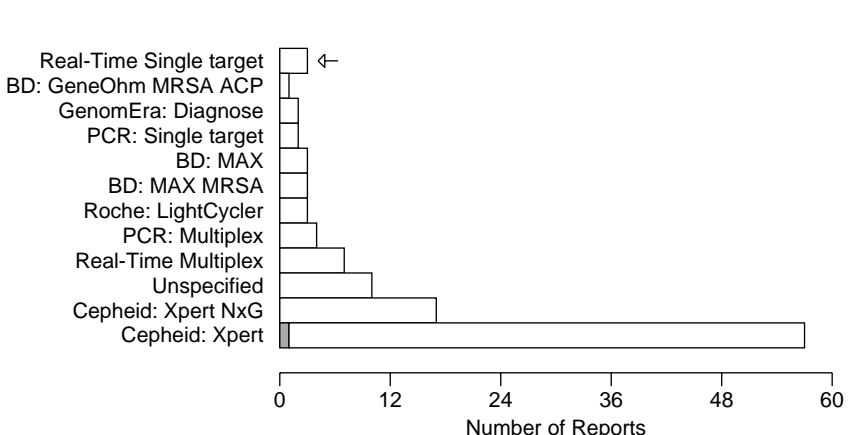
Your Report : MRSA detected (culture)

Your Score : **2**

Overall Results	UK	All	Score
Detected	165	297	2
Not detected	0	2	-1
Total	165	299	
% Correct	100	99.3	

Specimen : 4404

Molecular result: MRSA detected



Method	UK (%)	All (%)
Real-Time Single target	1 (2.4)	3 (2.6)
BD: GeneOhm MRSA ACP	1 (2.4)	1 (0.9)
GenomEra: Diagnose	0 (0.0)	2 (1.8)
PCR: Single target	1 (2.4)	2 (1.8)
BD: MAX	2 (4.8)	3 (2.6)
BD: MAX MRSA	2 (4.8)	3 (2.6)
Roche: LightCycler	0 (0.0)	3 (2.6)
PCR: Multiplex	0 (0.0)	4 (3.5)
Real-Time Multiplex	0 (0.0)	7 (6.1)
Unspecified	4 (9.5)	10 (8.8)
Cepheid: Xpert NxG	4 (9.5)	17 (14.9)
Cepheid: Xpert	26 (61.9)	57 (50.0)

Your Report : MRSA detected (molecular)

Your Score : **2**

Overall Results	UK	All	Score
Detected	41	114	2
Not detected	0	1	-1
Invalid	0	0	
Total	41	115	
% Correct	100	99.1	

