

Intended Result	Your Report	Your Score
Specimen 6765 MRSA detected (culture)	MRSA detected (culture)	2
MRSA detected (molecular)	MRSA detected (molecular)	2
Specimen 6766 MRSA not detected (culture)	MRSA not detected (culture)	2
MRSA not detected (molecular)	MRSA not detected (molecular)	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 5434 5435 5937 5938 6210 6211 6561 6562 6629 6630 6765 6766 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 48 out of a possible total of 48

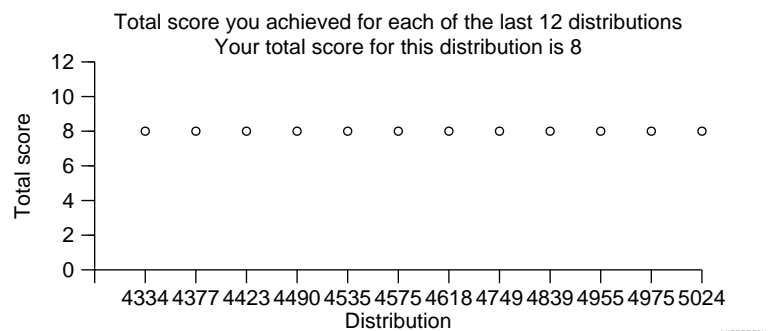
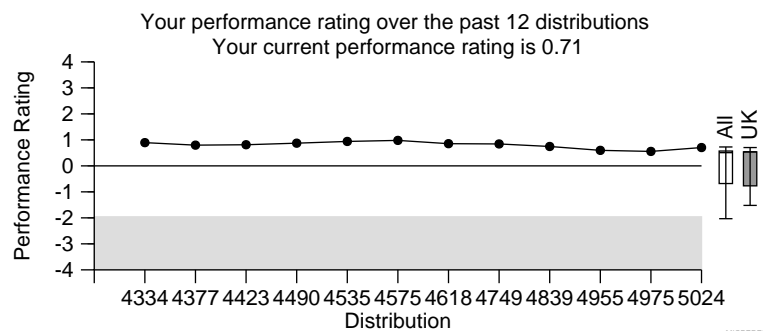
The mean score calculated from the reports returned by **UK** laboratories testing the specimen/test combinations you examined was 46.04 with a standard error of 2.78.

**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 0.71.

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 0 days. This information is provided for your own use and does not form part of your performance assessment.

**Comments**

**Specimen 6765:** This specimen contained a MRSA. Participant performance was good with 82.5% (227/275) reporting a correct result via culture. For those participants using molecular techniques to screen for MRSA, 96.8% (122/126) of participants reported the correct result.

**Specimen 6766:** This specimen contained a MSSA. Participant performance was very good with 98.6% (273/277) reporting a correct result via culture. For those participants using molecular techniques to screen for MRSA, 98.2% (109/111) 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 6765, was 1-10 cfu per plate (n= 58/143).

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

**Acknowledgements** We thank colleagues at the Healthcare Associated Infections (HCAI) & Antimicrobial Resistance Division (AMR), Antimicrobial Resistance and Healthcare Associated Infections Reference Unit (AMRHAI), UK Health Security Agency (UKHSA), Colindale for the supply of strains and provision of confirmatory testing.

**Enquiries**

For repeat specimens, please request using the web form, (<https://ukneqasmicro.org.uk/participant-info/order-repeat-specimens>) stating your laboratory identification number, the distribution name and number, specimen number(s), and reason for request. Any technical enquiries related to this distribution, please contact Shila Seaton, [organiser@ukneqasmicro.org.uk](mailto:organiser@ukneqasmicro.org.uk) stating your laboratory identification number.

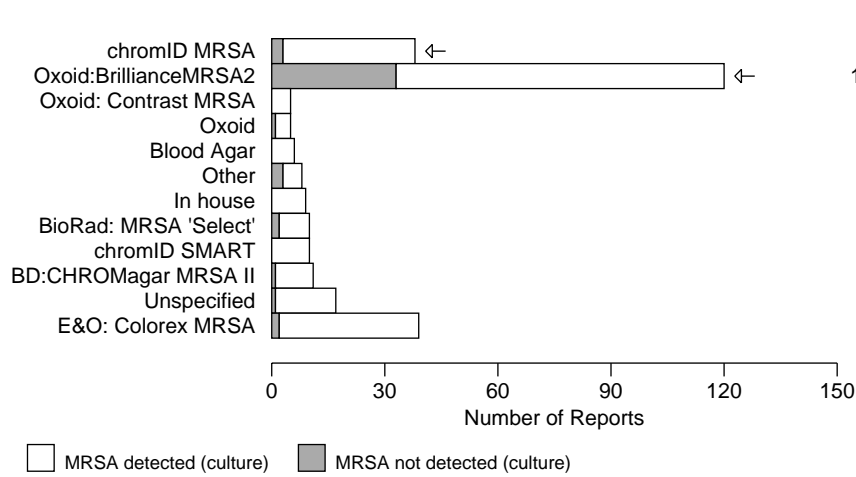
Report authorised by: Dr Jennifer Henderson, Scheme Organiser



Two specimens were dispatched with a request to screen for MRSA, both were simulated nasal swabs. Specimen 6765 contained a MRSA, whilst specimen 6766 contained a MSSA.

**Specimen : 6765**

**Culture result: MRSA detected**



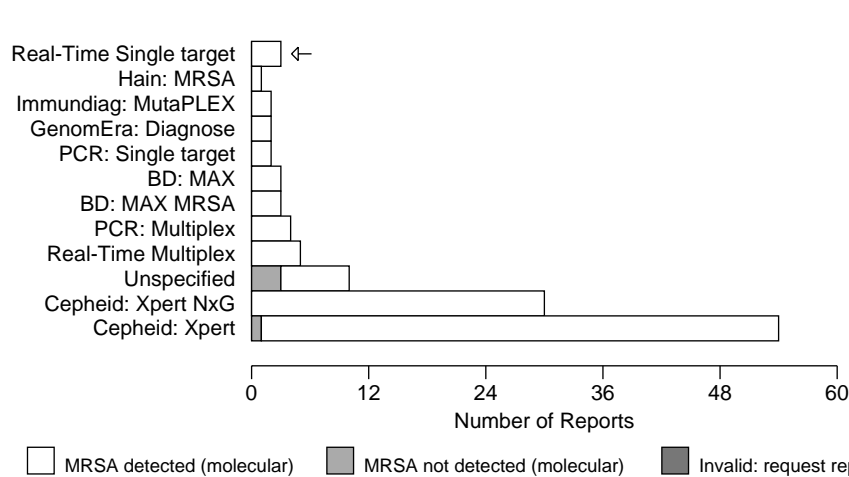
Method	UK (%)	All (%)
chromID MRSA	11 (6.7)	38 (12.2)
Oxoid:BrillianceMRSA2	101 (61.6)	120 (38.6)
Oxoid: Contrast MRSA	3 (1.8)	5 (1.6)
Oxoid	2 (1.2)	5 (1.6)
Blood Agar	1 (0.6)	6 (1.9)
Other	0 (0.0)	8 (2.6)
In house	0 (0.0)	9 (2.9)
BioRad: MRSA 'Select'	2 (1.2)	10 (3.2)
chromID SMART	1 (0.6)	10 (3.2)
BD:CHROMagar MRSA II	2 (1.2)	11 (3.5)
Unspecified	3 (1.8)	17 (5.5)
E&O: Colorex MRSA	31 (18.9)	39 (12.5)

Your Report : MRSA detected (culture)  
Your Score : **2**

Overall Results	UK	All	Score
Detected	118	227	2
Not detected	33	48	-1
Total	151	275	
% Correct	78.1	82.5	

**Specimen : 6765**

**Molecular result: MRSA detected**



Method	UK (%)	All (%)
Real-Time Single target	1 (2.3)	3 (2.5)
Hain: MRSA	1 (2.3)	1 (0.8)
Immundiag: MutaPLEX	0 (0.0)	2 (1.7)
GenomEra: Diagnose	0 (0.0)	2 (1.7)
PCR: Single target	1 (2.3)	2 (1.7)
BD: MAX	1 (2.3)	3 (2.5)
BD: MAX MRSA	2 (4.5)	3 (2.5)
PCR: Multiplex	0 (0.0)	4 (3.3)
Real-Time Multiplex	0 (0.0)	5 (4.2)
Unspecified	4 (9.1)	10 (8.3)
Cepheid: Xpert NxG	8 (18.2)	30 (25.0)
Cepheid: Xpert	26 (59.1)	54 (45.0)

Your Report : MRSA detected (molecular)  
Your Score : **2**

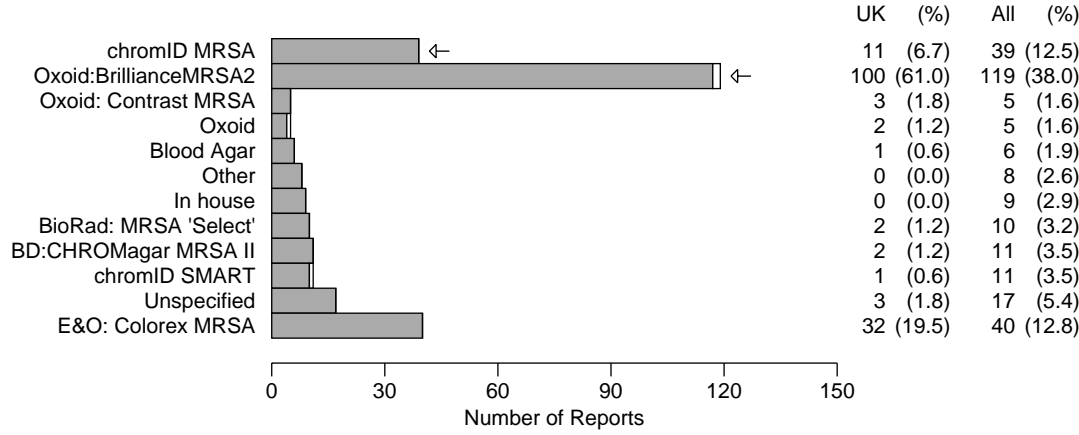
Overall Results	UK	All	Score
Detected	45	122	2
Not detected	2	4	-1
Invalid	0	0	
Total	47	126	
% Correct	95.7	96.8	



Two specimens were dispatched with a request to screen for MRSA, both were simulated nasal swabs. Specimen 6765 contained a MRSA, whilst specimen 6766 contained a MSSA.

**Specimen : 6766**

**Culture result: MRSA not detected**



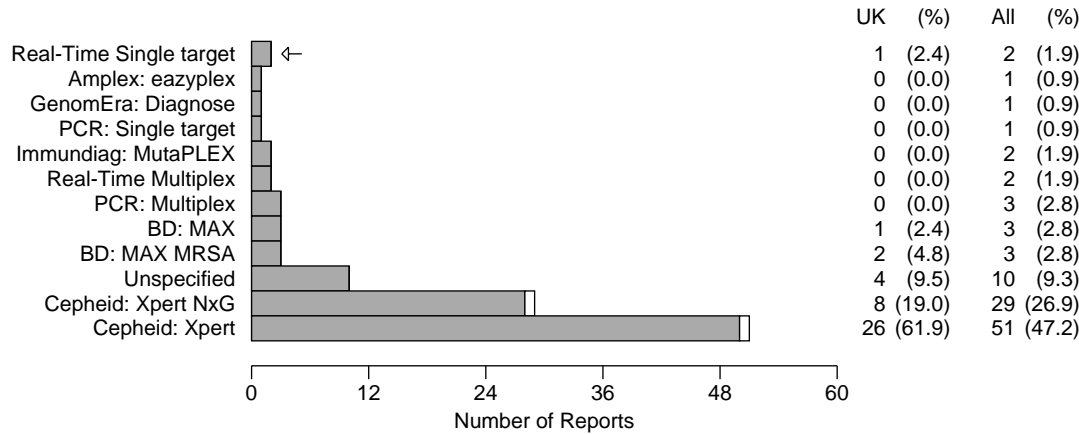
Your Report : MRSA not detected (culture)

Your Score : **2**

Overall Results	UK	All	Score
Detected	1	4	-1
Not detected	151	273	2
<b>Total</b>	<b>152</b>	<b>277</b>	
<b>% Correct</b>	<b>99.3</b>	<b>98.6</b>	

**Specimen : 6766**

**Molecular result: MRSA not detected**



Your Report : MRSA not detected (molecular)

Your Score : **2**

Overall Results	UK	All	Score
Detected	1	2	-1
Not detected	41	109	2
Invalid	0	0	
<b>Total</b>	<b>42</b>	<b>111</b>	
<b>% Correct</b>	<b>97.6</b>	<b>98.2</b>	

