

Intended Result	Your Report	Your Score
Specimen 3151 Direct detection overall report	Mycobacteria not detected	2
Detection post culture overall report	Mycobacteria not detected	2
Specimen 3152 Direct detection overall report	<i>Mycobacterium tuberculosis</i>	2
Detection post culture overall report	<i>Mycobacterium tuberculosis</i>	2
Rifampicin resistance	Not resistant	2

Cumulative score information

Total number of specimens sent to you for **UK NEQAS for Mycobacteria (molecular)** over the last 3 distributions is 6

For these distributions specimen numbers 2770 2771 2894 2895 3151 3152 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 28 out of a possible total of 28

The mean score calculated from the reports returned by **UK** laboratories testing the specimen/test combinations you examined was 27.06 (with a standard error of 1.80).

Performance rating

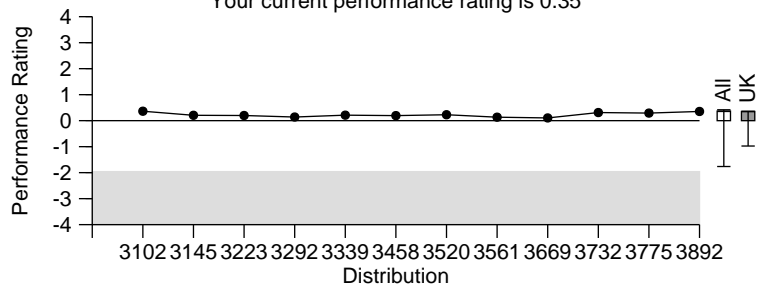
Your performance rating for **UK NEQAS for Mycobacteria (molecular)** (i.e. the number of standard errors by which your cumulative score lies above or below the mean for **UK** laboratories) is **0.52**.

A performance rating of more than 1.96 standard errors below the mean indicates possible poor performance.

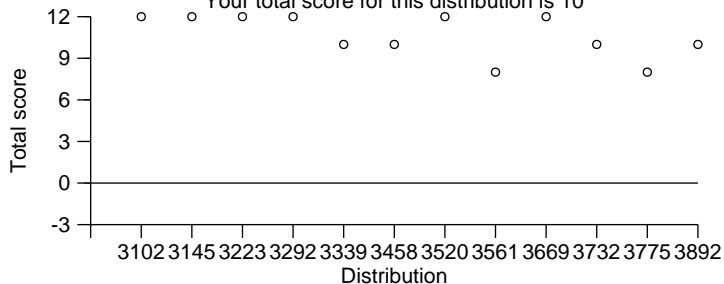
Your performance rating may change if other participants' results are amended.

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

Total score you achieved for each of the last 12 distributions (4 year cycle)
Your current performance rating is 0.35



Total score you achieved for each of the last 12 distributions
Your total score for this distribution is 10



Comments: A total of 171 sets of specimens were distributed for testing with 161 participants returning results within the specified period.

Specimen 3151: Mycobacteria not detected

Detection: Both the direct and post culture detection results for this specimen were very good with 92.1% (139/151) and 98.4% (62/63) of participants correctly reporting mycobacteria not detected, MTBC negative or no growth. Rifampicin resistance testing was not applicable for this specimen.

Specimen 3152: MTBC detected (*M. tuberculosis*)

Detection: Both the direct and post culture detection results for this specimen were excellent with 97.9% (143/146) and 100% (68/68), of participants correctly reporting MTBC or *M. tuberculosis* detected.

Typing results: Typing results received for specimen 3152 correlated well with one another. Tables summarising the results are provided on the last page of this report. The octal designations reported for specimen 3152 correlated well with one another. The following profiles were reported 57777777760771 (n=1), 77777777760771 (n=1) and 77777177760771 (n=1).

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.

Enquiries: Pre-distribution test results are available should you experience a technical failure and wish to discuss the results. Written enquiries about this distribution should be addressed to Christine Walton at the email address below. For repeat specimens please order using the web form or e-mail organiser@ukneqasmicro.org.uk stating your laboratory identification number, the distribution name, distribution number and specimen numbers.

Acknowledgements: We thank colleagues from Public Health Wales Mycobacterium Reference Unit, Cardiff for their kind assistance with source material and pre-distribution testing.

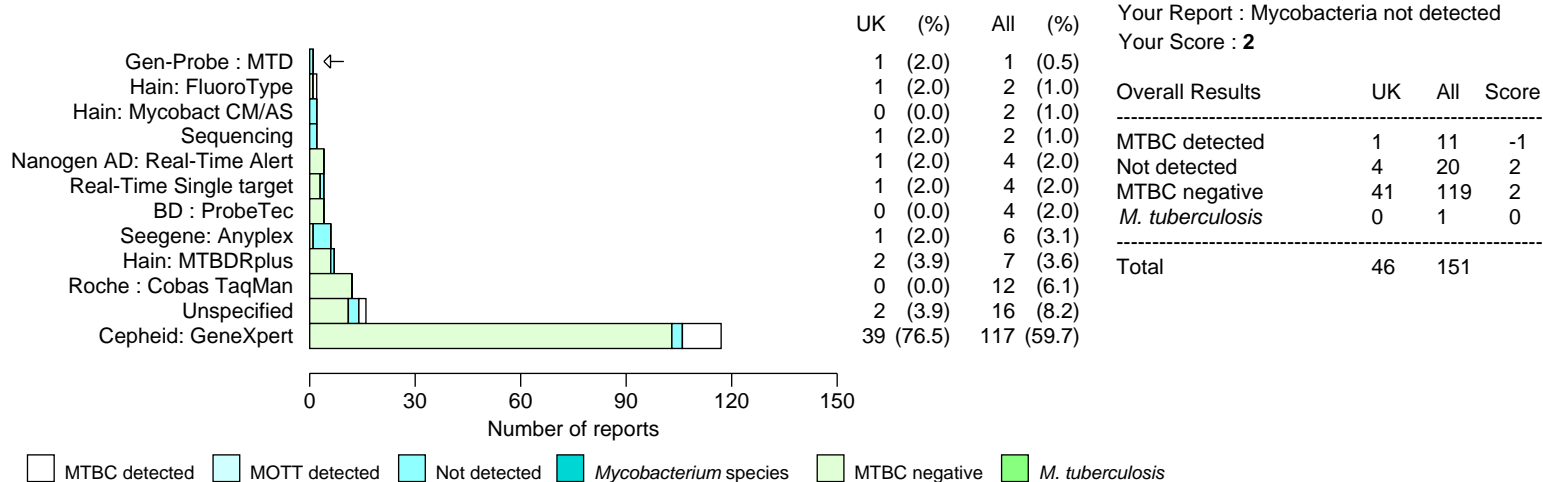
Report authorised by: Christine Walton, Scheme Organiser



Two specimens of freeze-dried simulated purulent sputa were dispatched with a request for the molecular detection and typing of mycobacteria. Specimen 3151 was negative for mycobacteria by culture and molecular detection and contained *Streptococcus mitis* and *Streptococcus oralis* commensals. Specimen 3152 contained viable *Mycobacterium tuberculosis* and *Streptococcus mitis* and *Streptococcus salivarius* commensals.

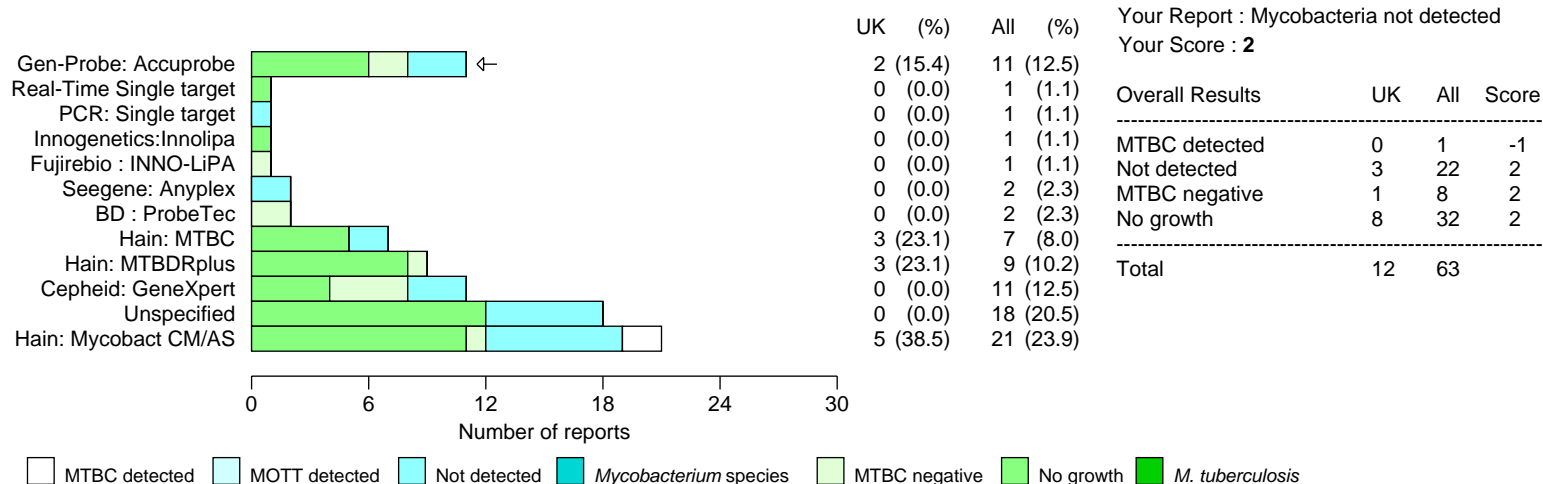
Specimen : 3151

Direct detection: Mycobacteria not detected



Specimen : 3151

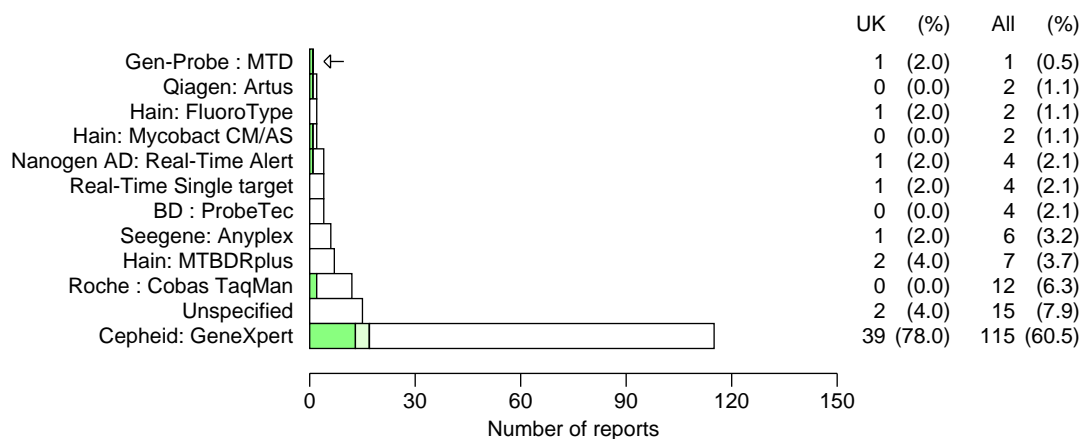
Detection post culture: Mycobacteria not detected



Two specimens of freeze-dried simulated purulent sputa were dispatched with a request for the molecular detection and typing of mycobacteria. Specimen 3151 was negative for mycobacteria by culture and molecular detection and contained *Streptococcus mitis* and *Streptococcus oralis* commensals. Specimen 3152 contained viable *Mycobacterium tuberculosis* and *Streptococcus mitis* and *Streptococcus salivarius* commensals.

Specimen : 3152

Direct detection: Mtb complex detected

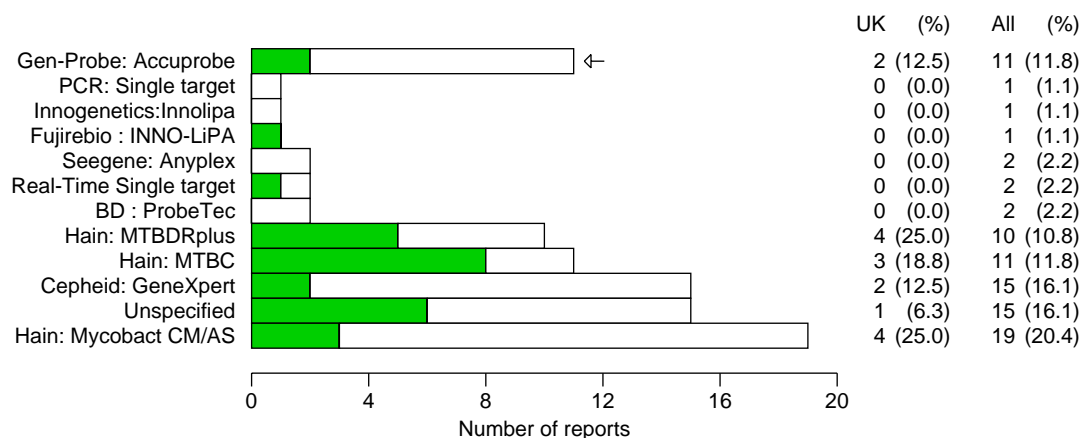


Your Report : *Mycobacterium tuberculosis*
Your Score : **2**

Overall Results	UK	All	Score
MTBC detected	37	129	2
MTBC negative	2	3	0
<i>M. tuberculosis</i>	7	17	2
Total	46	149	

Specimen : 3152

Detection post culture: Mtb complex detected

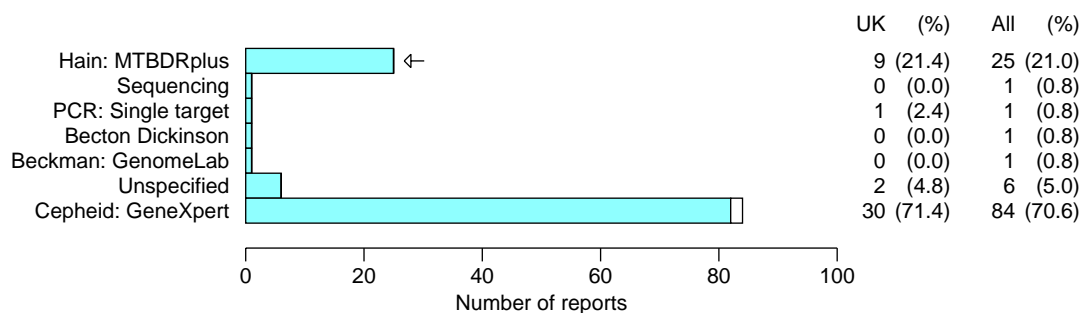


Your Report : *Mycobacterium tuberculosis*
Your Score : **2**

Overall Results	UK	All	Score
MTBC detected	9	43	2
<i>M. tuberculosis</i>	5	25	2
Total	14	68	

Specimen : 3152

Rifampicin resistance: Not resistant



Your Report : Not resistant
Your Score : **2**

Overall Results	UK	All	Score
Not relevant	0	4	
Resistant	0	1	0
Not resistant	44	125	2
Total	44	130	



MOLECULAR DETECTION OF MYCOBACTERIA DISTRIBUTION 3892

Table representation of the typing results received for specimen 3152

Summary of typing results

VNTR Type	0154	0424	0577	0580	0802	0960	1644	1955	2059	2163b	2165	2347	2401
MIRU Type	2	-	-	4	40	10	16	-	20	-	-	-	-
ETR profile	-	-	C	D	-	-	-	-	-	-	A	-	-
	2	2	4	3	3	2	2	3	2	4	2	4	2
	2	2	4	2	3	2	2	3	2	4	2	4	2
	2	2	4	3	3	2	2	3	2	4	2	4	2
	-	1	5	6	0	6	1	6	2	7	6	3	6

continued...

VNTR Type	2461	2531	2687	2996	3007	3171	3192	3690	4052	4156	4348	Number of participants
MIRU Type	-	23	24	26	27	-	31	-	-	-	39	
ETR profile	B	-	-	-	-	-	E	-	-	-	-	
	1	5	1	4	4	3	3	4	7	2	2	4
	1	5	1	4	4	3	3	4	7	2	2	2
	1	5	1	4	4	3	3	4	-	2	2	1
	2	8	2	5	3	6	4	7	3	1	2	1

