

Intended Result	Your Report	Your Score
Specimen 4368 <i>Mycobacterium tuberculosis</i>	<i>Mycobacterium tuberculosis</i>	2
Specimen 4369 <i>Mycobacterium fortuitum</i>	<i>Mycobacterium fortuitum</i>	2
Specimen 4370 Negative result	Negative result	2
Specimen 4371 <i>Mycobacterium tuberculosis</i>	<i>Mycobacterium tuberculosis</i>	2

**Cumulative score information**

Total number of specimens sent to you for **UK NEQAS for Mycobacterium culture** over the last 3 distributions is 12  
For these distributions specimen numbers 3972 3973 3974 3975 4107 4108 4109 4110 4368 4369 4370 4371 have been analysed and scored.

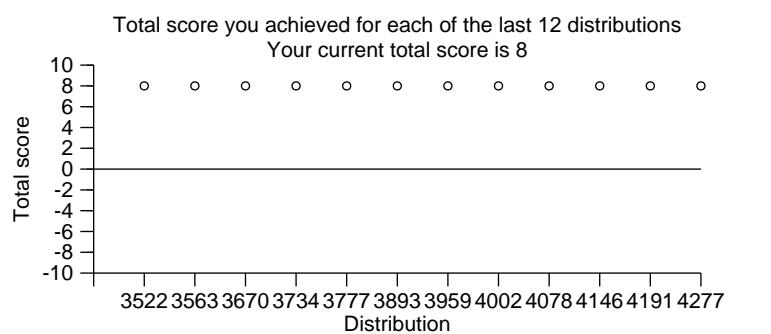
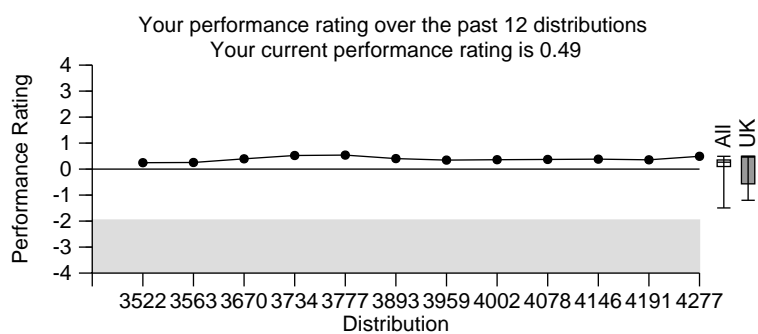
Number of reports returned and scored 12  
Number of specimens reported as not examined (not scored) 0  
Number of specimens received too late for analysis (not scored) 0  
Number of specimens for which no report was received (not scored) 0  
Your cumulative score for these specimens was 24 out of a possible total of 24  
The mean score calculated from the reports returned by UK laboratories was 23.07 with a standard error of 1.89

**Performance rating**

Your performance rating for **UK NEQAS for Mycobacterium culture** (i.e. the number of standard errors by which your cumulative score lies above or below the mean for **UK** laboratories) is **0.49**  
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 return of results may be used as a measure of poor performance.



**Turn around time:** The time taken to report your results was 9 days. This information is provided for your own use and does not form part of your performance assessment.

**REPORT FORMAT**

Participants results are analysed and presented by method. Data for each specimen is displayed in a series of histograms where the first one is a summary of the most popular methods reported by participants. Methods used by your laboratory are marked with an arrow. Participants are scored on their overall report for each specimen and this information is presented in a table adjacent to the first histogram in each series of results. Subsequent histograms in each series present information by method type. Participants are encouraged to record all their methods and be specific with method information in particular for solid culture media as we feel that the data could be combined further to reduce duplication.

**COMMENT**

[Key: MOTT = mycobacterium other than tuberculosis, MTBC = *M. tuberculosis* complex]

**Specimen 4368 and 4371:** These specimens contained MTBC. An excellent performance with 99.6% (254/255) and 98.0% (250/255) of participants achieving a fully correct score respectively.

**Specimen 4369:** This specimen contained *Mycobacterium fortuitum* group. A good performance with 90.0% (226/251) of participants achieving a fully correct score.

**Specimen 4370:** This specimen was negative for mycobacteria. A very good performance with 97.2% (245/252) of participants achieving a fully correct score.

**Enquiries:** For repeat specimens please order using the web form or e-mail [organiser@ukneqasmicro.org.uk](mailto:organiser@ukneqasmicro.org.uk) stating your laboratory identification number, the distribution name and number, and specimen numbers.

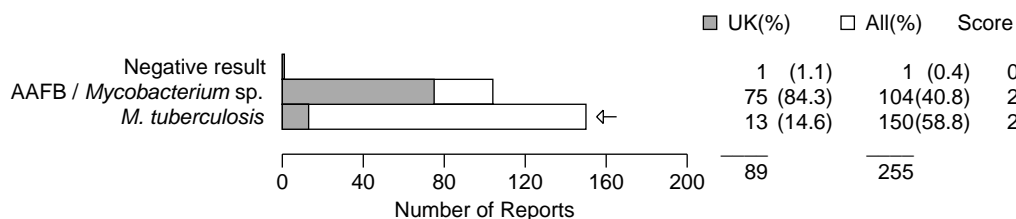
Any technical enquiries related to this distribution, please contact Shila Seaton using the email address above. In-house test results are available should you experience a technical failure and wish to discuss the results.

**Acknowledgements:** We thank colleagues from Public Health Wales Mycobacterium Reference Unit, Cardiff and the National Mycobacterium Reference Service-South (NMRS-South), National Infection Service (NIS), Public Health England (PHE) for their kind assistance with provision of mycobacterial isolates, pre-distribution characterisations and confirmatory testing.

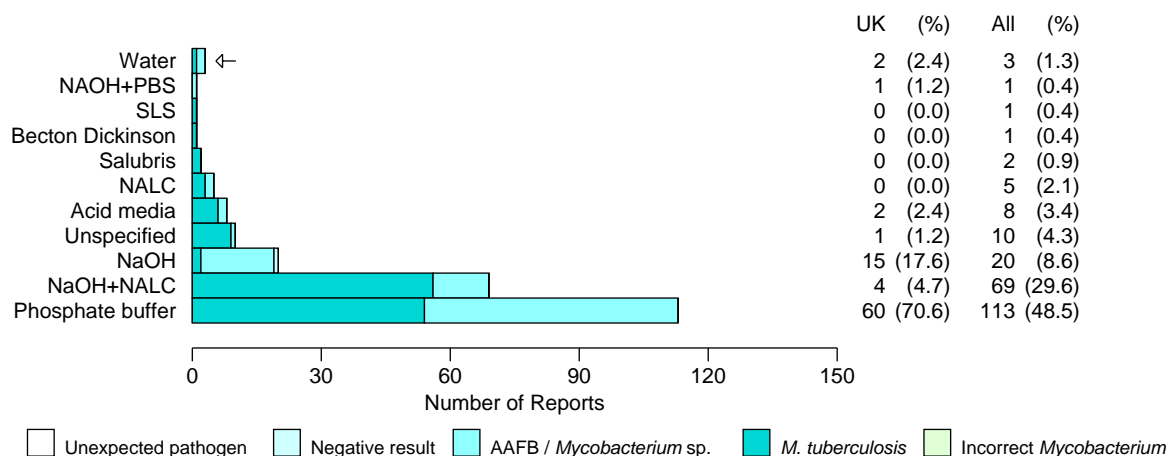
Report authorised by: Dr Sanjiv Rughooputh, Director



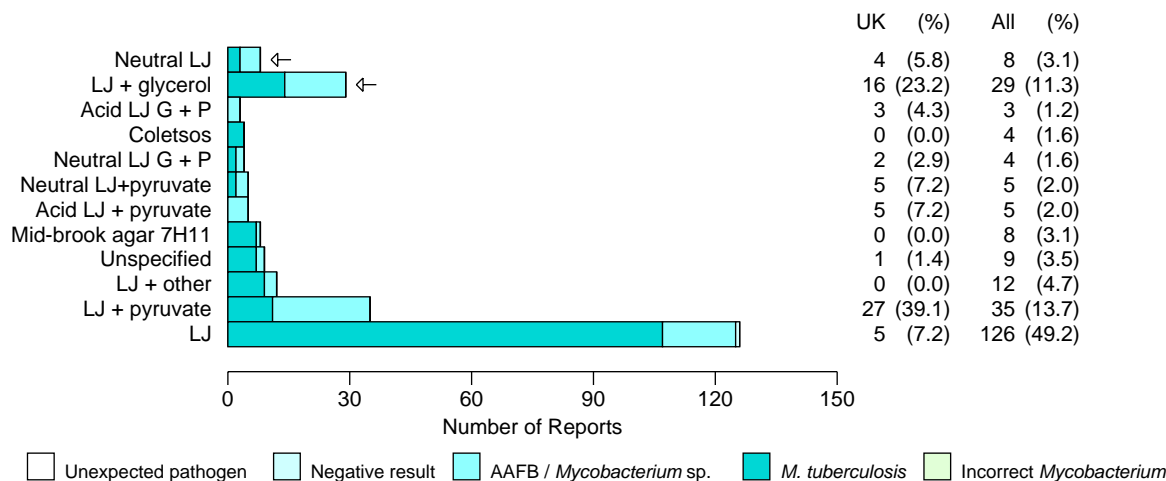
**Specimen : 4368** Specimen contained *Mycobacterium tuberculosis*, *Staphylococcus epidermidis* and *Streptococcus mitis*.



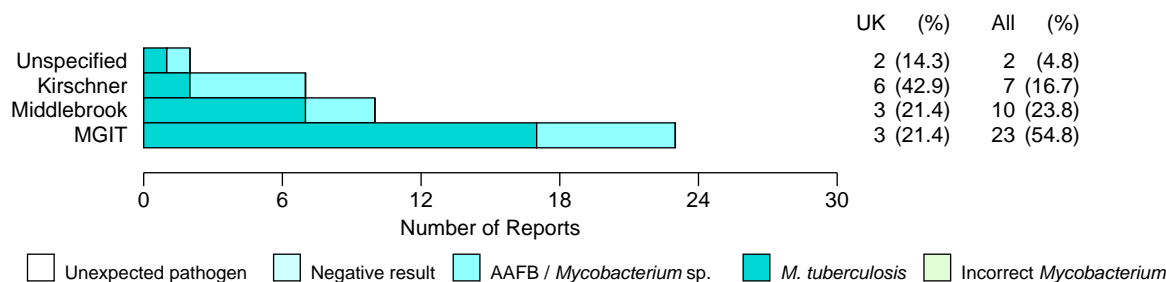
**Specimen : 4368** Specimen contained *Mycobacterium tuberculosis*, *Staphylococcus epidermidis* and *Streptococcus mitis*.  
**Neutralisation method used**



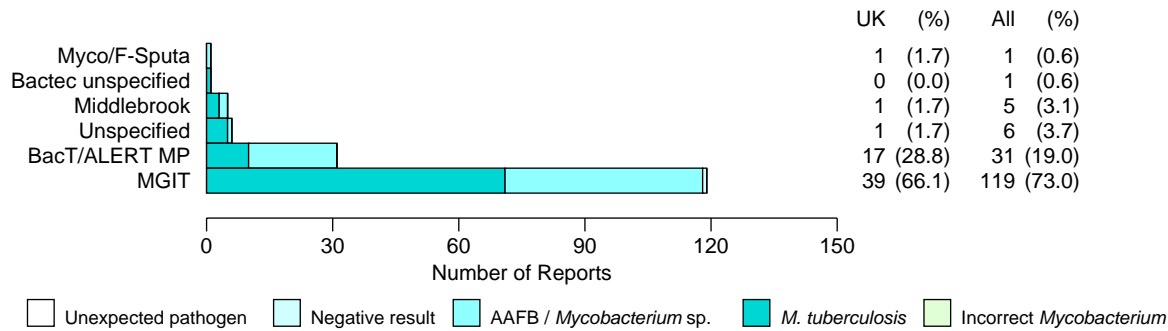
**Specimen : 4368** Specimen contained *Mycobacterium tuberculosis*, *Staphylococcus epidermidis* and *Streptococcus mitis*.  
**Solid culture media**



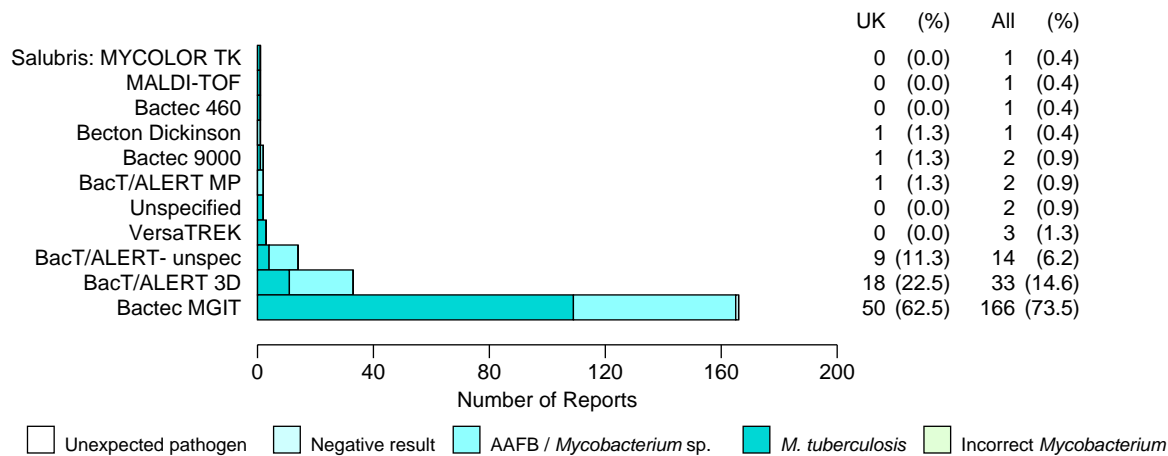
**Specimen : 4368** Specimen contained *Mycobacterium tuberculosis*, *Staphylococcus epidermidis* and *Streptococcus mitis*.  
**Liquid culture media**



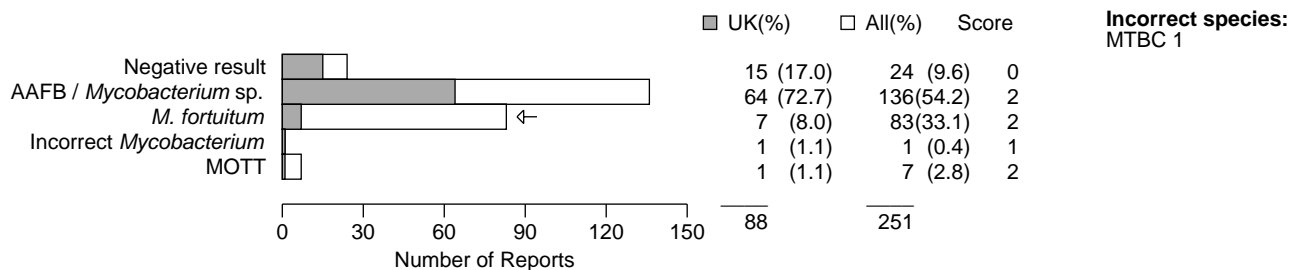
**Specimen : 4368** Specimen contained *Mycobacterium tuberculosis*, *Staphylococcus epidermidis* and *Streptococcus mitis*.  
Liquid culture media - automated



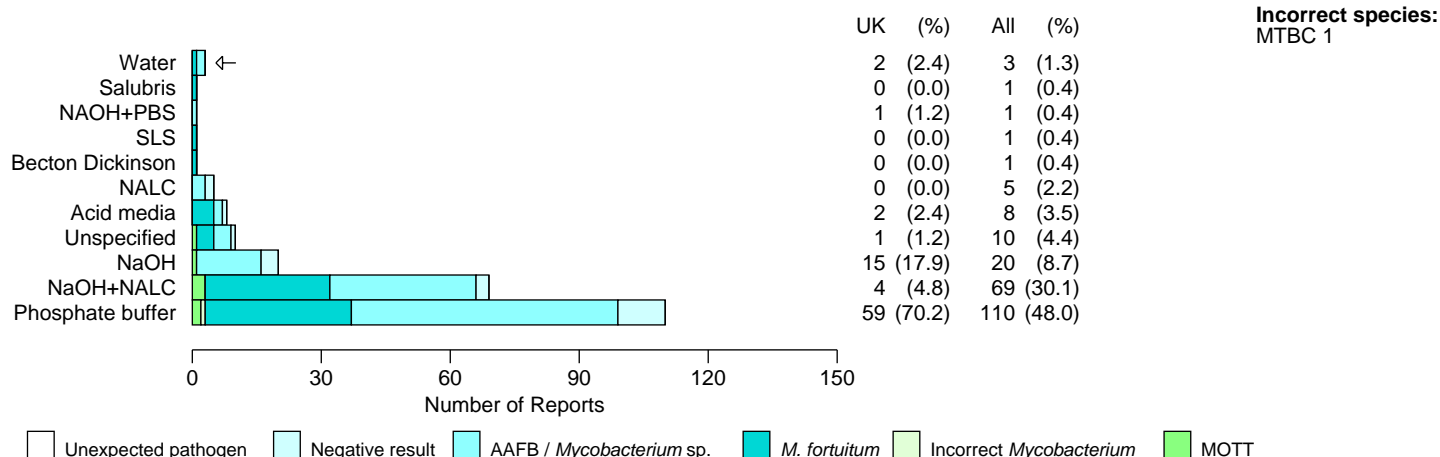
**Specimen : 4368** Specimen contained *Mycobacterium tuberculosis*, *Staphylococcus epidermidis* and *Streptococcus mitis*.  
Automated/Semi-automated method



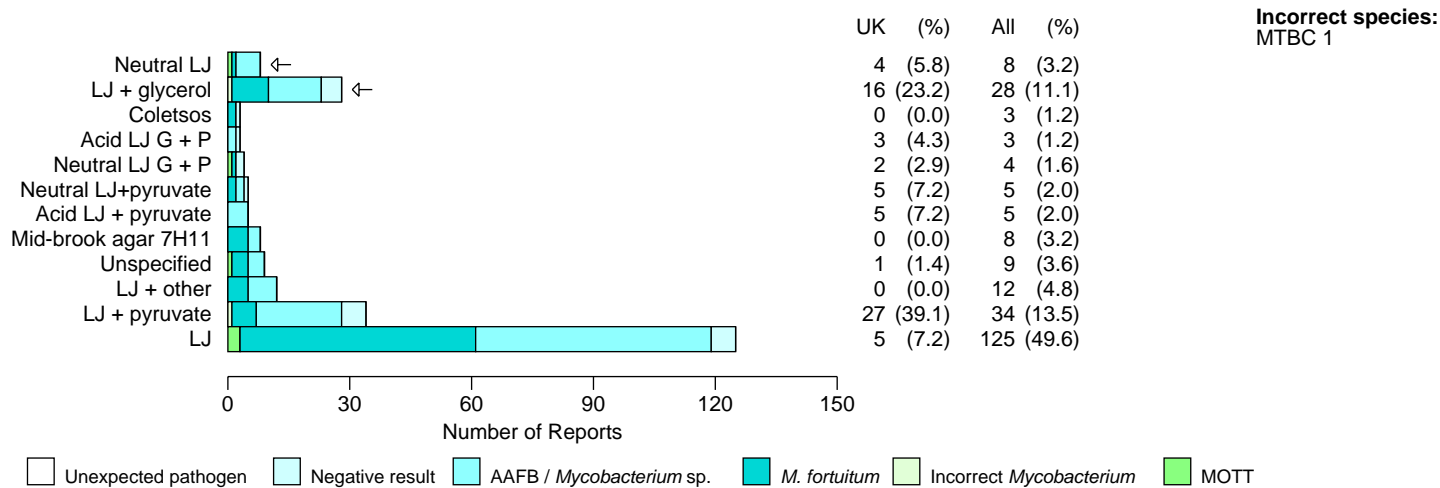
**Specimen : 4369** Specimen contained *Mycobacterium fortuitum*, *Staphylococcus epidermidis* and *Neisseria sicca*.



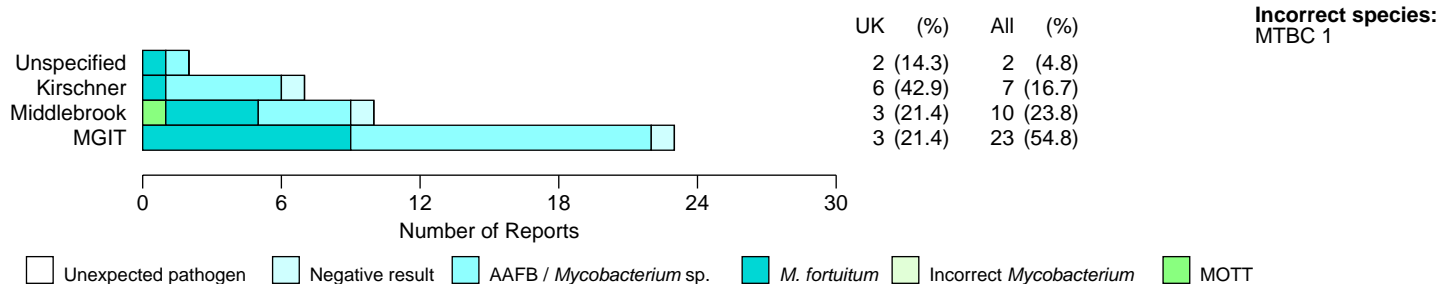
**Specimen : 4369** Specimen contained *Mycobacterium fortuitum*, *Staphylococcus epidermidis* and *Neisseria sicca*.  
**Neutralisation method used**



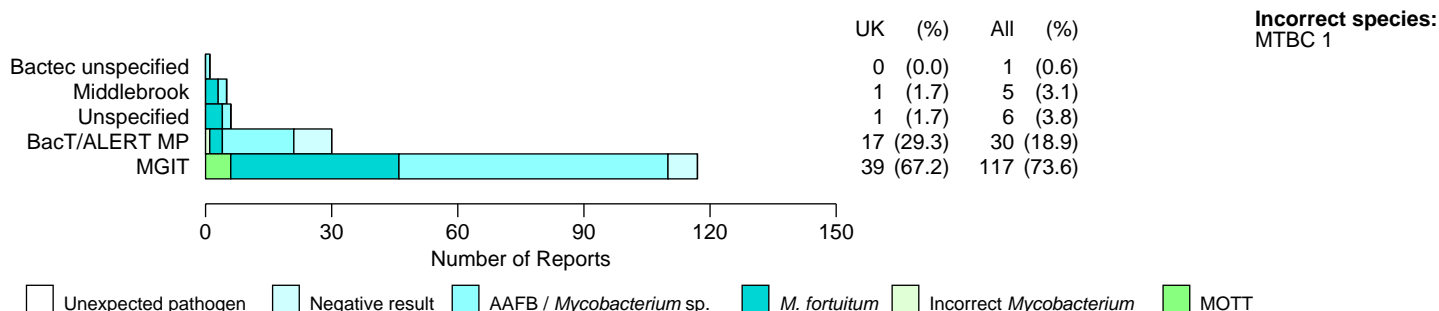
**Specimen : 4369** Specimen contained *Mycobacterium fortuitum*, *Staphylococcus epidermidis* and *Neisseria sicca*.  
**Solid culture media**



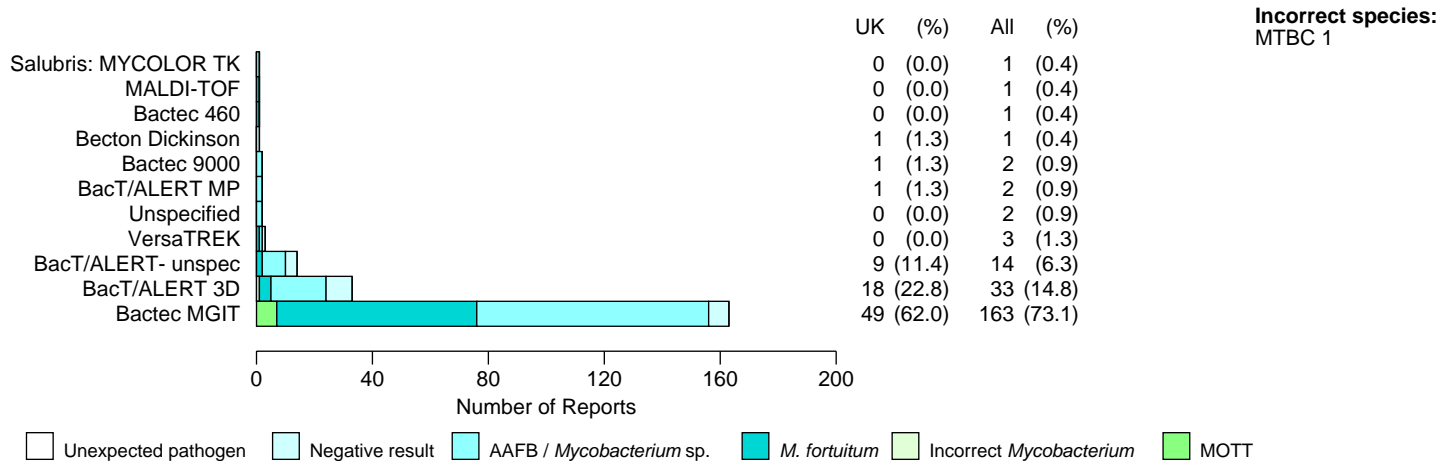
**Specimen : 4369** Specimen contained *Mycobacterium fortuitum*, *Staphylococcus epidermidis* and *Neisseria sicca*.  
**Liquid culture media**



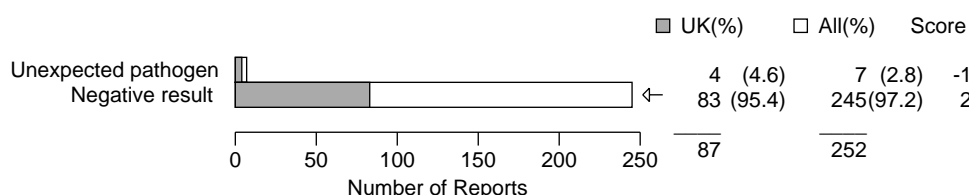
**Specimen : 4369** Specimen contained *Mycobacterium fortuitum*, *Staphylococcus epidermidis* and *Neisseria sicca*.  
**Liquid culture media - automated**



**Specimen : 4369** Specimen contained *Mycobacterium fortuitum*, *Staphylococcus epidermidis* and *Neisseria sicca*.  
**Automated/Semi-automated method**

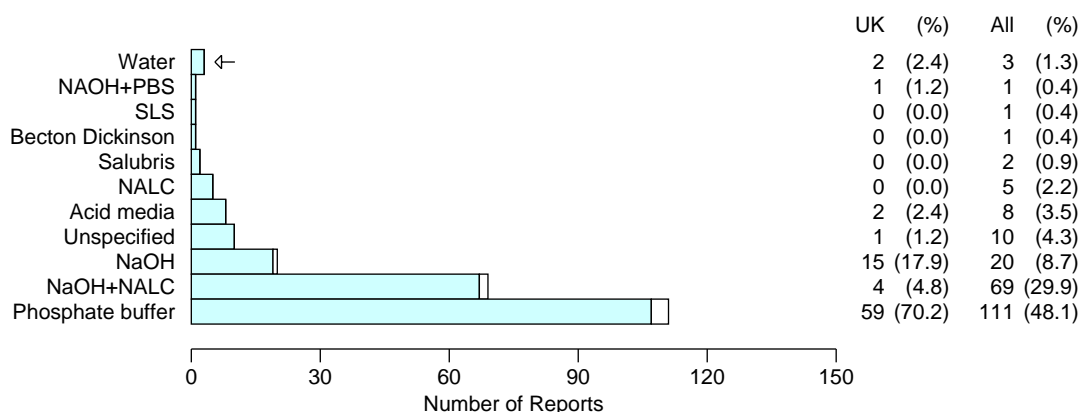


**Specimen : 4370** Specimen was negative for mycobacteria and only contained *Streptococcus mitis* and *Streptococcus salivarius*.



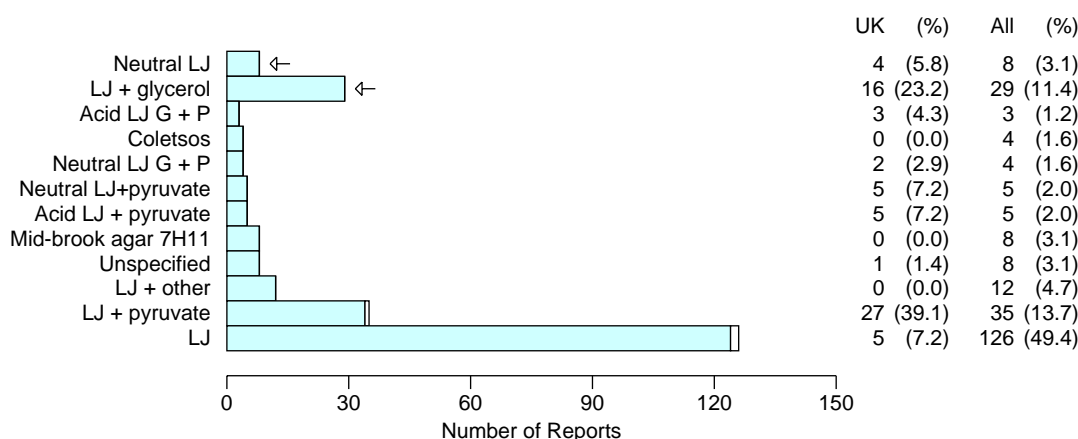
**Unexpected pathogens:**  
*Mycobacterium* species 4  
*Mycobacterium fortuitum* 1  
*Mycobacterium tuberculosis* 1  
MTBC 1

**Specimen : 4370** Specimen was negative for mycobacteria and only contained *Streptococcus mitis* and *Streptococcus salivarius*.  
**Neutralisation method used**



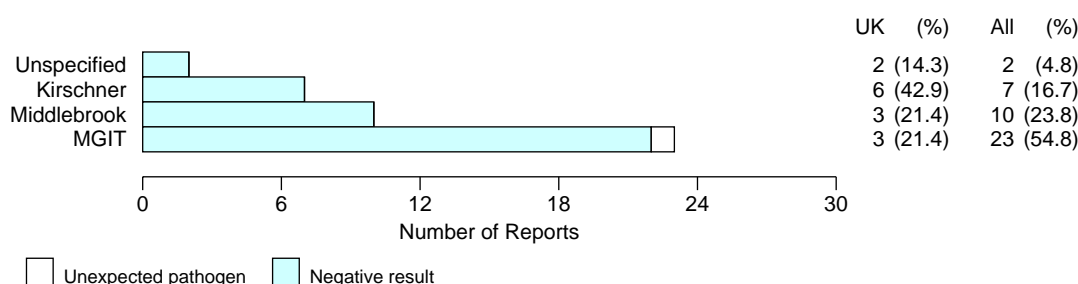
**Unexpected pathogens:**  
*Mycobacterium* species 4  
*Mycobacterium fortuitum* 1  
*Mycobacterium tuberculosis* 1  
MTBC 1

**Specimen : 4370** Specimen was negative for mycobacteria and only contained *Streptococcus mitis* and *Streptococcus salivarius*.  
**Solid culture media**



**Unexpected pathogens:**  
*Mycobacterium* species 4  
*Mycobacterium fortuitum* 1  
*Mycobacterium tuberculosis* 1  
MTBC 1

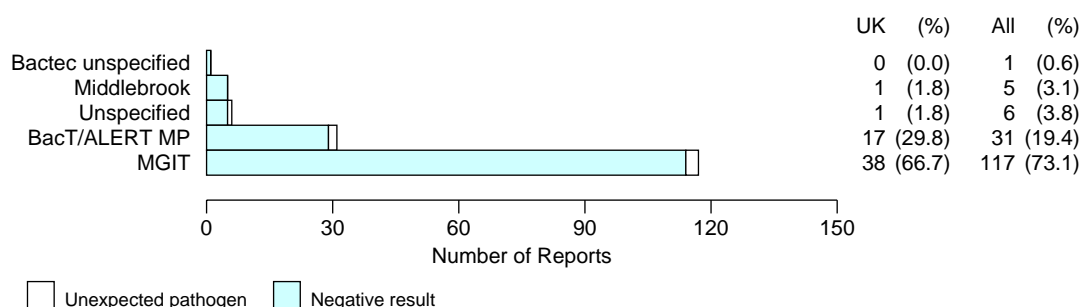
**Specimen : 4370** Specimen was negative for mycobacteria and only contained *Streptococcus mitis* and *Streptococcus salivarius*.  
**Liquid culture media**



**Unexpected pathogens:**  
*Mycobacterium* species 4  
*Mycobacterium fortuitum* 1  
*Mycobacterium tuberculosis* 1  
MTBC 1

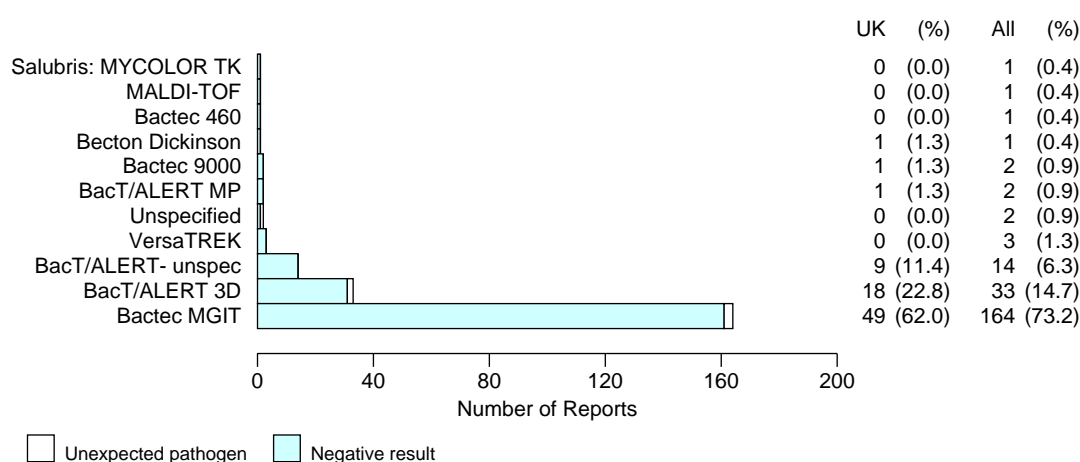


**Specimen : 4370** Specimen was negative for mycobacteria and only contained *Streptococcus mitis* and *Streptococcus salivarius*.  
**Liquid culture media - automated**



**Unexpected pathogens:**  
*Mycobacterium* species 4  
*Mycobacterium fortuitum* 1  
*Mycobacterium tuberculosis* 1  
MTBC 1

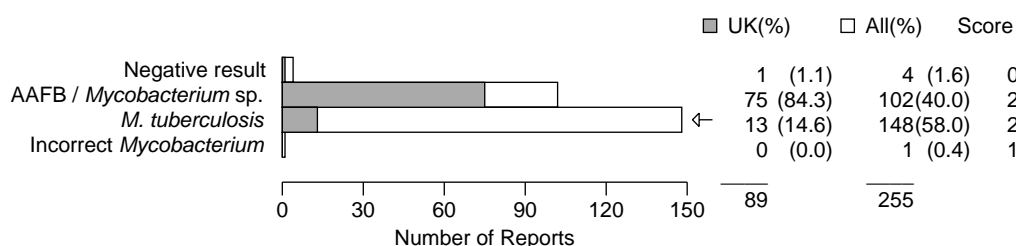
**Specimen : 4370** Specimen was negative for mycobacteria and only contained *Streptococcus mitis* and *Streptococcus salivarius*.  
**Automated/Semi-automated method**



**Unexpected pathogens:**  
*Mycobacterium* species 4  
*Mycobacterium fortuitum* 1  
*Mycobacterium tuberculosis* 1  
MTBC 1



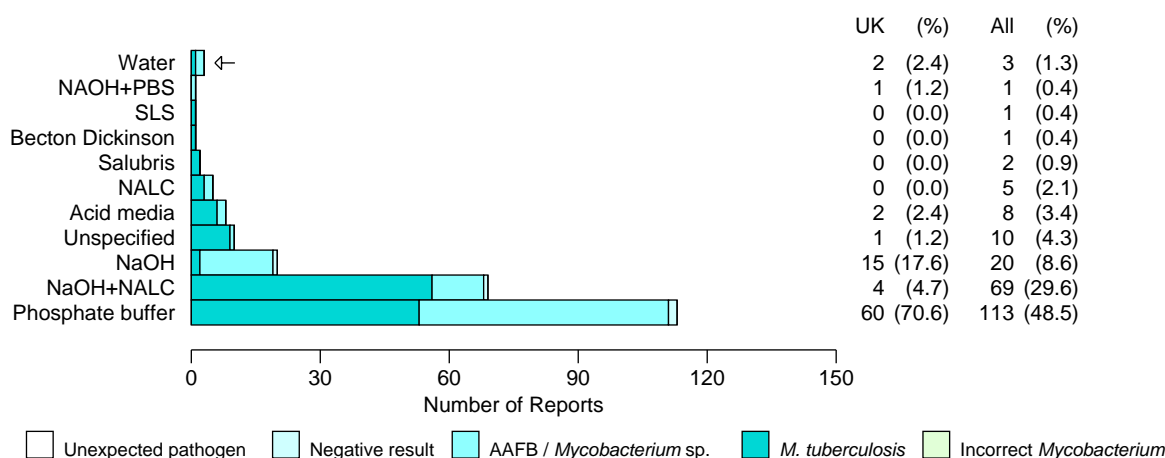
**Specimen : 4371** Specimen contained *Mycobacterium tuberculosis*, *Staphylococcus epidermidis* and *Streptococcus salivarius*.



**Incorrect species:**  
*Mycobacterium bovis* 1

**Specimen : 4371** Specimen contained *Mycobacterium tuberculosis*, *Staphylococcus epidermidis* and *Streptococcus salivarius*.

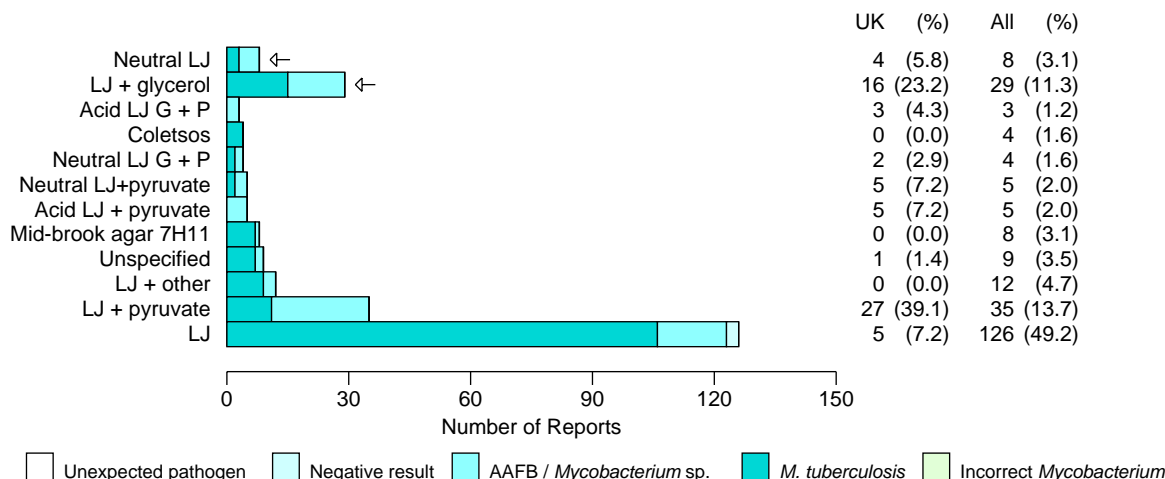
**Neutralisation method used**



**Incorrect species:**  
*Mycobacterium bovis* 1

**Specimen : 4371** Specimen contained *Mycobacterium tuberculosis*, *Staphylococcus epidermidis* and *Streptococcus salivarius*.

**Solid culture media**

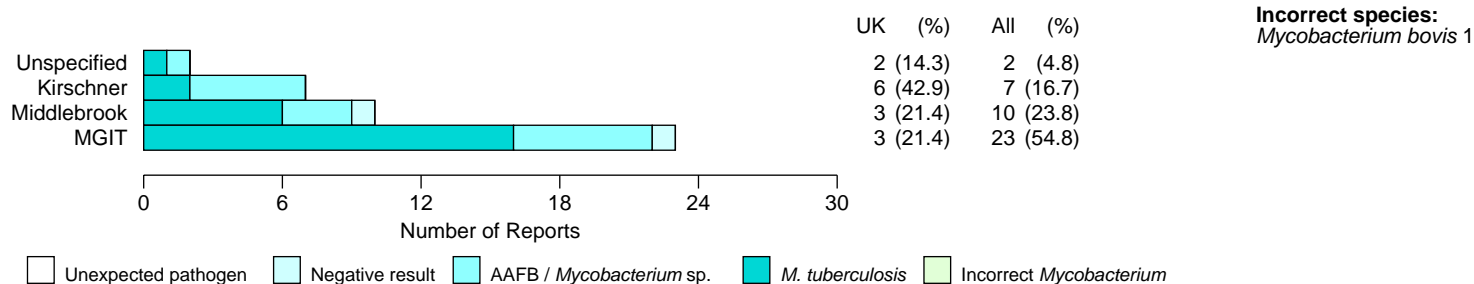


**Incorrect species:**  
*Mycobacterium bovis* 1

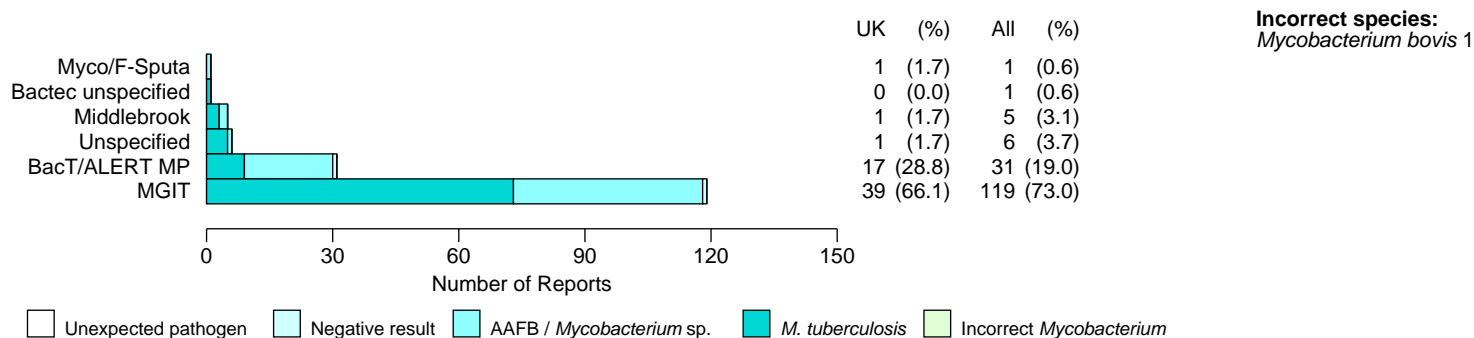




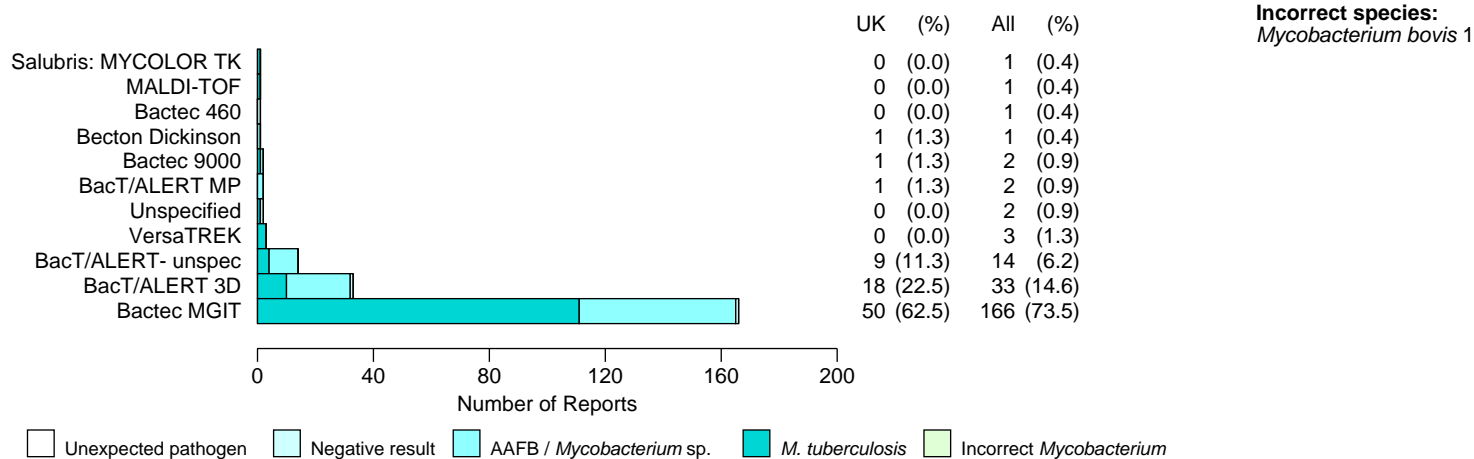
**Specimen : 4371** Specimen contained *Mycobacterium tuberculosis*, *Staphylococcus epidermidis* and *Streptococcus salivarius*.  
**Liquid culture media**



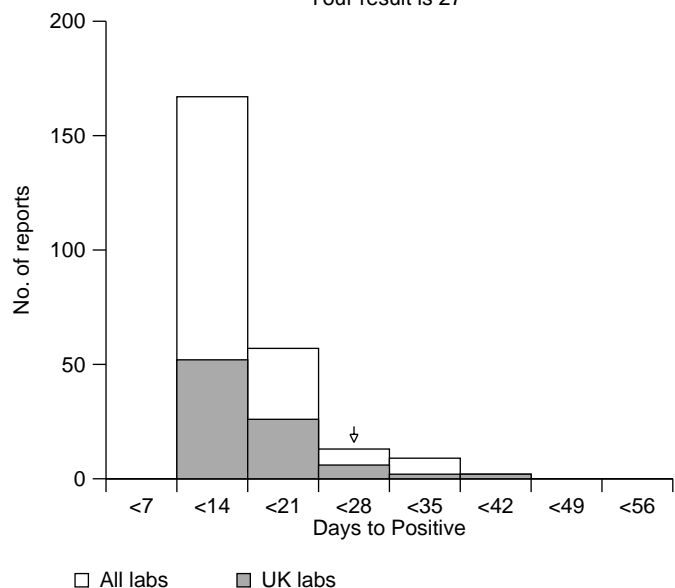
**Specimen : 4371** Specimen contained *Mycobacterium tuberculosis*, *Staphylococcus epidermidis* and *Streptococcus salivarius*.  
**Liquid culture media - automated**



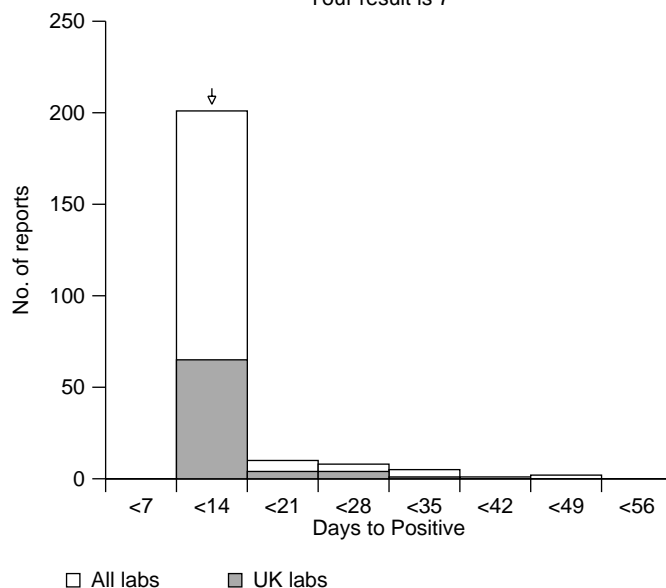
**Specimen : 4371** Specimen contained *Mycobacterium tuberculosis*, *Staphylococcus epidermidis* and *Streptococcus salivarius*.  
**Automated/Semi-automated method**



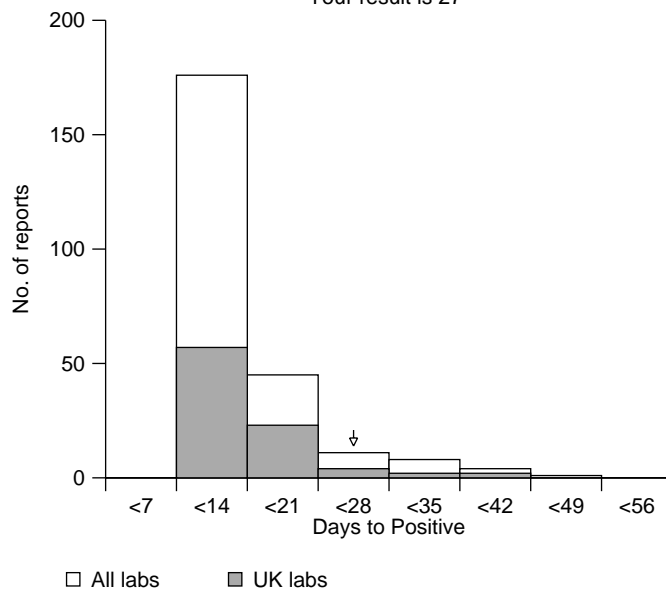
Time to positive - Specimen 4368  
Your result is 27



Time to positive - Specimen 4369  
Your result is 7



Time to positive - Specimen 4371  
Your result is 27



**Cumulative % of positive results at time shown (all participants)**

Days to positive	4368	4369	4371
<7	0.0	0.0	0.0
<14	67.3	88.5	71.8
<21	90.3	93.0	90.2
<28	95.6	96.5	94.7
<35	99.2	98.7	98.0
<42	100.0	99.1	99.6
<49	100.0	100.0	100.0
<56	100.0	100.0	100.0

**Days to positive**

	mean	median	mode
4368	13	12	9
4369	9	7	7
4371	13	11	11

