

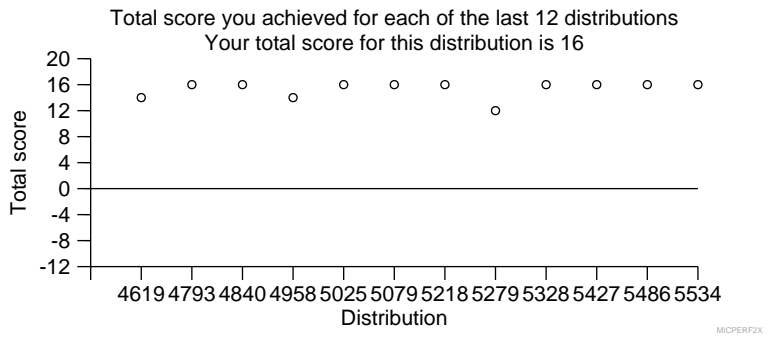
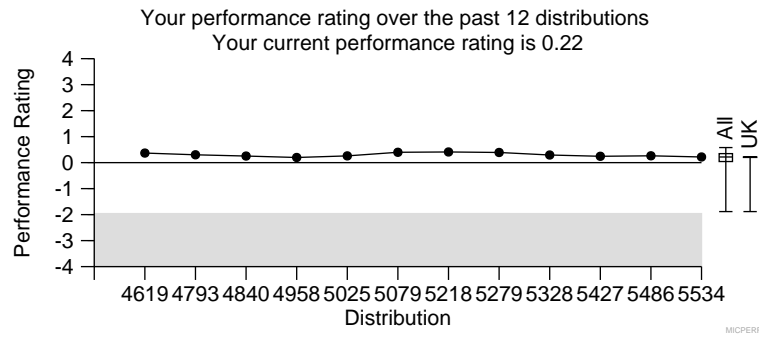
| Intended Result  | Your Report  | Your Score |
|--|--|------------|
| Specimen 8314 <i>Chlamydia trachomatis</i> DNA negative<br><i>Neisseria gonorrhoeae</i> DNA negative | <i>Chlamydia trachomatis</i> DNA negative<br><i>Neisseria gonorrhoeae</i> DNA negative | 2<br>2     |
| Specimen 8315 <i>Chlamydia trachomatis</i> DNA negative<br><i>Neisseria gonorrhoeae</i> DNA positive | <i>Chlamydia trachomatis</i> DNA negative<br><i>Neisseria gonorrhoeae</i> DNA positive | 2<br>2     |
| Specimen 8316 <i>Chlamydia trachomatis</i> DNA positive<br><i>Neisseria gonorrhoeae</i> DNA positive | <i>Chlamydia trachomatis</i> DNA positive<br><i>Neisseria gonorrhoeae</i> DNA positive | 2<br>2     |
| Specimen 8317 <i>Chlamydia trachomatis</i> DNA negative<br><i>Neisseria gonorrhoeae</i> DNA negative | <i>Chlamydia trachomatis</i> DNA negative<br><i>Neisseria gonorrhoeae</i> DNA negative | 2<br>2     |

**Cumulative score information**

Total number of specimens sent to you for UK NEQAS *C. trachomatis* & *N. gonorrhoeae* over the last 3 distributions is 12  
 For these distributions specimen numbers 7975 7976 7977 7978 8154 8155 8156 8157 8314 8315 8316 8317 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 47.69 (with a standard error of 1.43).

**Performance rating**

Your performance rating for UK NEQAS *C. trachomatis* & *N. gonorrhoeae* (i.e. the number of standard errors by which your cumulative score lies above or below the mean for UK laboratories) is **0.22**.  
 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.



**Comments:**

A total of 253 sets of specimens were distributed for testing with 221 participants returning results within the specified period.

**Specimen 8314: negative for *C. trachomatis* and negative for *N. gonorrhoeae*.** 99.5% of participants reported the intended result for *C. trachomatis* and 98.6% reported the intended result for *N. gonorrhoeae*.

**Specimen 8315: negative for *C. trachomatis* and positive for *N. gonorrhoeae*.** 99.5% of participants reported the intended result for *C. trachomatis* and 99.1% reported the intended result for *N. gonorrhoeae*.

**Specimen 8316: positive for *C. trachomatis* and positive for *N. gonorrhoeae*.** 98.2% of participants reported the intended result for *C. trachomatis* and 98.6% reported the intended result for *N. gonorrhoeae*.

**Specimen 8317: negative for *C. trachomatis* and negative for *N. gonorrhoeae*.** 99.1% of participants reported the intended result for *C. trachomatis* and 99.5% reported the intended result for *N. gonorrhoeae*.

**Please see page 6 for comments**

In the histograms on page 2 and subsequent pages a maximum of 20 kit results are displayed: these include 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 due to (1) exclusion of kits displayed in the histograms resulting in apparently lower numbers of data sets in the histograms or (2) participants using more than one kit resulting in higher numbers of data sets in the histograms.

**Turn around time:** The time taken to report your results was 2-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 Dr Sanjiv Rughooputh at [organiser@ukneqasmicro.org.uk](mailto:organiser@ukneqasmicro.org.uk). For repeat specimens please request using the web form at <https://ukneqasmicro.org.uk/participant-info/order-repeat-specimens/>.

**Acknowledgements:** We thank colleagues from UKHSA Bristol and the Department of Microbiology at Gloucestershire Hospitals for their assistance with pre-distribution testing.

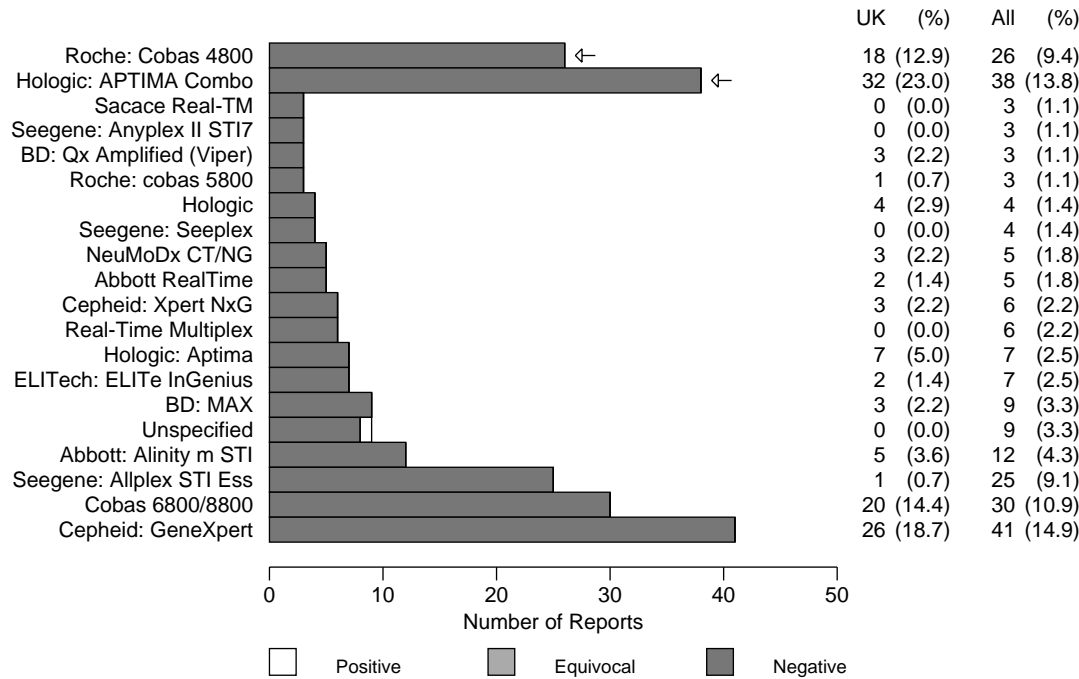
Report authorised by: Dr Sanjiv Rughooputh, Scheme Organiser.



Four simulated vaginal swabs were distributed with a request for the detection of *Chlamydia trachomatis* and/or *Neisseria gonorrhoeae*. Specimen 8314 was a negative specimen and consisted of the matrix material only. Specimen 8315 originated from cultured *N. gonorrhoeae* from a single clinical sample diluted 1:200. Specimen 8316 originated from cultured *C. trachomatis* from a single clinical sample diluted 1:950000 (serovar J) and cultured *N. gonorrhoeae* from a single clinical sample diluted 1:1500. Specimen 8317 originated from cultured *N. cinerea* from a single clinical sample diluted 1:9000.

**Specimen : 8314 Specimen type: Vaginal swab**

Intended result:  
*C. trachomatis* DNA not detected



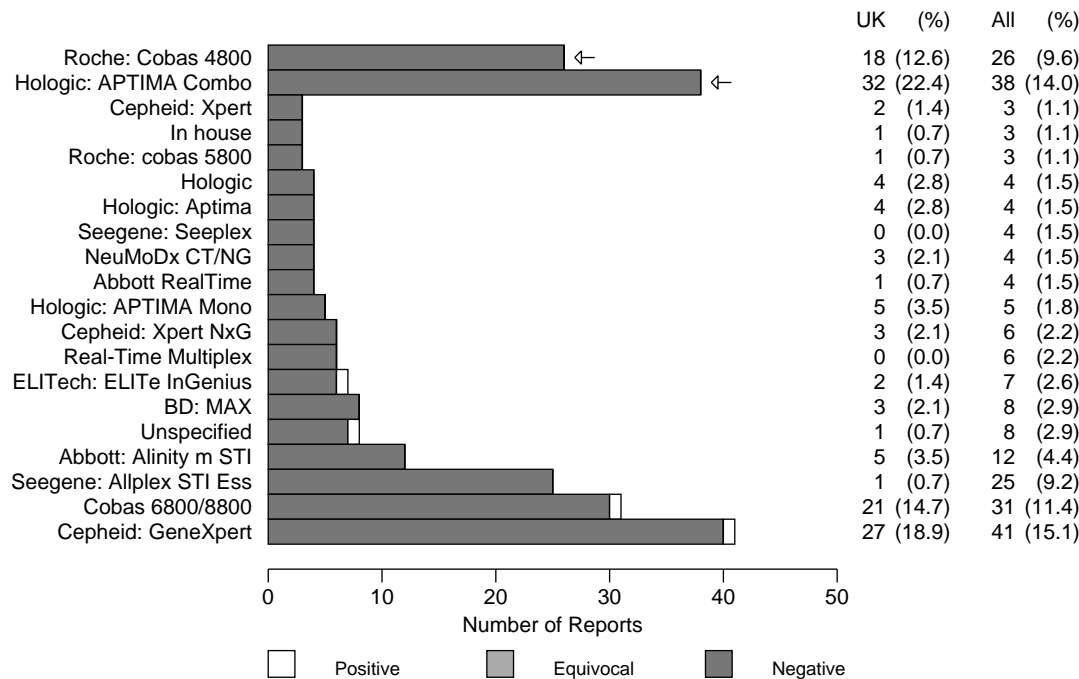
Your Report : *Chlamydia trachomatis* DNA negative

Your Score : **2**

| Overall Results  | UK         | All         | Score |
|------------------|------------|-------------|-------|
| Positive         | 0          | 1           | -1    |
| Equivocal        | 0          | 0           | 1     |
| Negative         | 97         | 218         | 2     |
| <b>Total</b>     | <b>97</b>  | <b>219</b>  |       |
| <b>% Correct</b> | <b>100</b> | <b>99.5</b> |       |

**Specimen : 8314 Specimen type: Vaginal swab**

Intended result:  
*N. gonorrhoeae* DNA not detected



Your Report : *Neisseria gonorrhoeae* DNA negative

Your Score : **2**

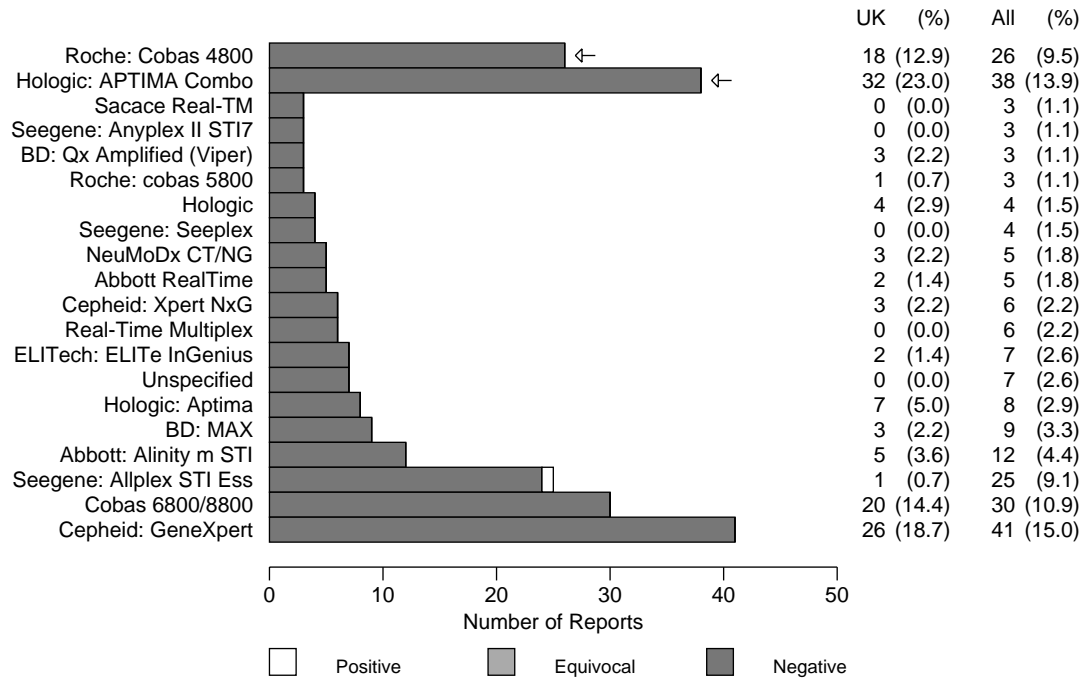
| Overall Results  | UK          | All         | Score |
|------------------|-------------|-------------|-------|
| Positive         | 1           | 3           | -1    |
| Equivocal        | 0           | 0           | 1     |
| Negative         | 95          | 211         | 2     |
| <b>Total</b>     | <b>96</b>   | <b>214</b>  |       |
| <b>% Correct</b> | <b>99.0</b> | <b>98.6</b> |       |



Four simulated vaginal swabs were distributed with a request for the detection of *Chlamydia trachomatis* and/or *Neisseria gonorrhoeae*. Specimen 8314 was a negative specimen and consisted of the matrix material only. Specimen 8315 originated from cultured *N. gonorrhoeae* from a single clinical sample diluted 1:200. Specimen 8316 originated from cultured *C. trachomatis* from a single clinical sample diluted 1:950000 (serovar J) and cultured *N. gonorrhoeae* from a single clinical sample diluted 1:1500. Specimen 8317 originated from cultured *N. cinerea* from a single clinical sample diluted 1:9000.

**Specimen : 8315 Specimen type: Vaginal swab**

Intended result:  
*C. trachomatis* DNA not detected



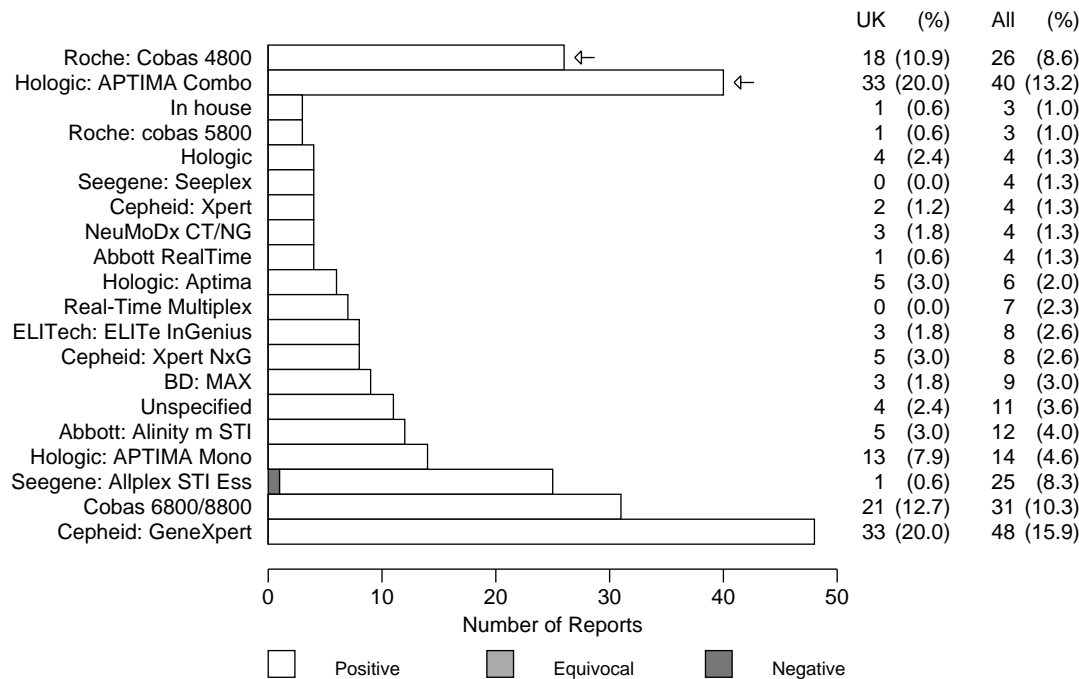
Your Report : *Chlamydia trachomatis* DNA negative

Your Score : **2**

| Overall Results  | UK         | All         | Score |
|------------------|------------|-------------|-------|
| Positive         | 0          | 1           | -1    |
| Equivocal        | 0          | 0           | 1     |
| Negative         | 97         | 218         | 2     |
| <b>Total</b>     | <b>97</b>  | <b>219</b>  |       |
| <b>% Correct</b> | <b>100</b> | <b>99.5</b> |       |

**Specimen : 8315 Specimen type: Vaginal swab**

Intended result:  
*N. gonorrhoeae* DNA detected



Your Report : *Neisseria gonorrhoeae* DNA positive

Your Score : **2**

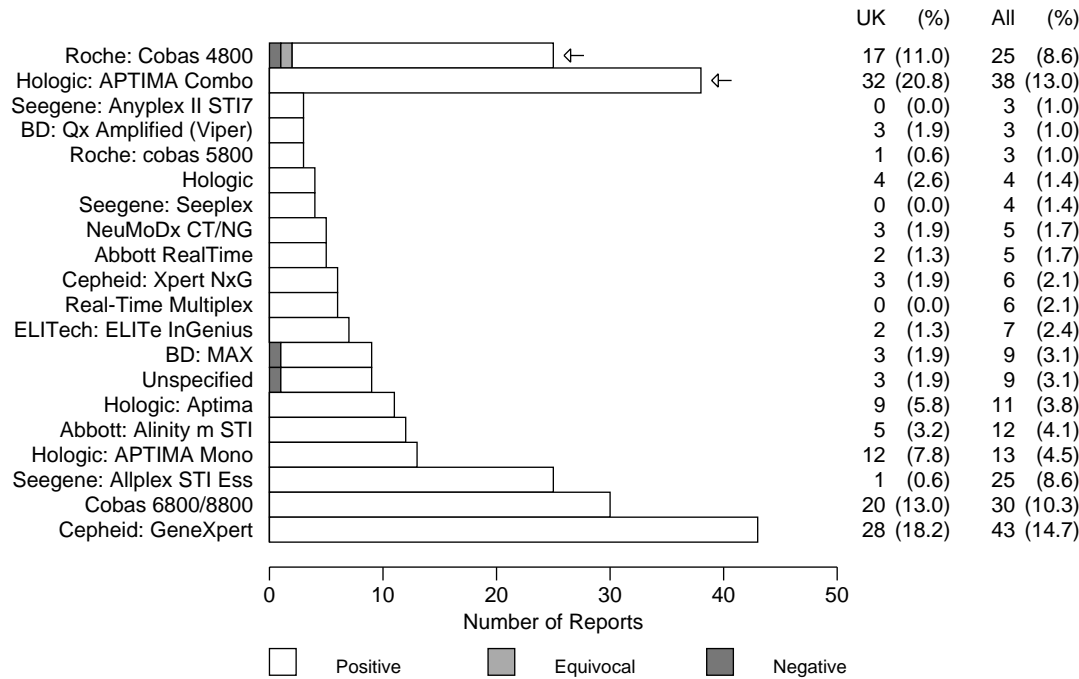
| Overall Results  | UK         | All         | Score |
|------------------|------------|-------------|-------|
| Positive         | 96         | 213         | 2     |
| Equivocal        | 0          | 0           | 1     |
| Negative         | 0          | 2           | -1    |
| <b>Total</b>     | <b>96</b>  | <b>215</b>  |       |
| <b>% Correct</b> | <b>100</b> | <b>99.1</b> |       |



Four simulated vaginal swabs were distributed with a request for the detection of *Chlamydia trachomatis* and/or *Neisseria gonorrhoeae*. Specimen 8314 was a negative specimen and consisted of the matrix material only. Specimen 8315 originated from cultured *N. gonorrhoeae* from a single clinical sample diluted 1:200. Specimen 8316 originated from cultured *C. trachomatis* from a single clinical sample diluted 1:950000 (serovar J) and cultured *N. gonorrhoeae* from a single clinical sample diluted 1:1500. Specimen 8317 originated from cultured *N.cinerea* from a single clinical sample diluted 1:9000.

**Specimen : 8316 Specimen type: Vaginal swab**

Intended result:  
*C. trachomatis* DNA detected



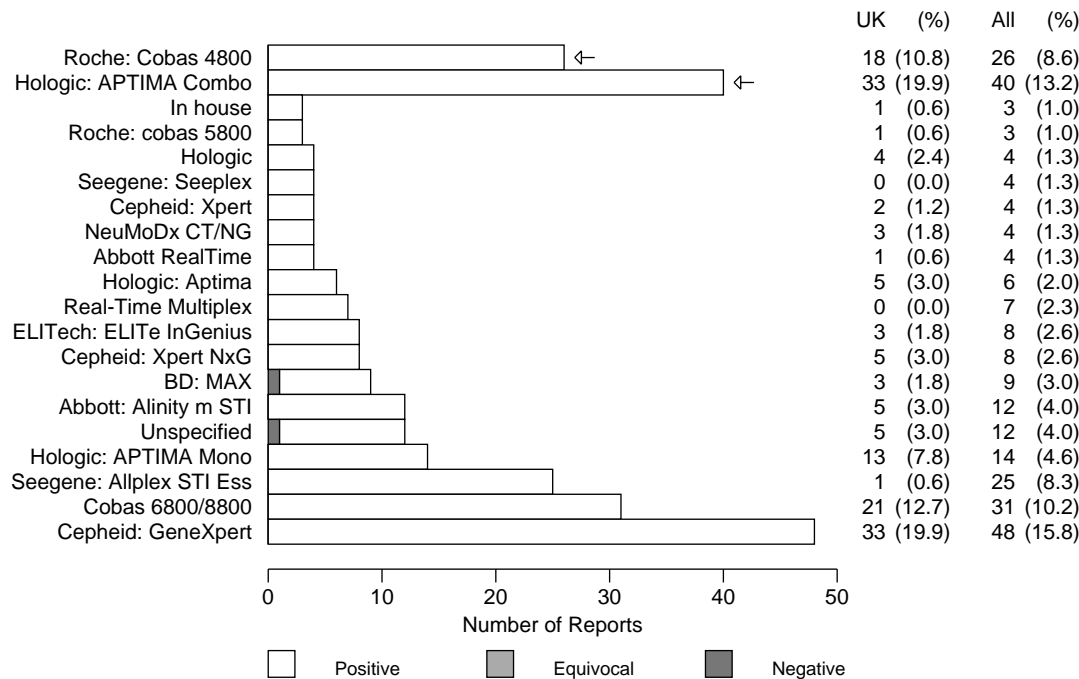
Your Report : *Chlamydia trachomatis* DNA positive

Your Score : **2**

| Overall Results  | UK         | All         | Score |
|------------------|------------|-------------|-------|
| Positive         | 96         | 215         | 2     |
| Equivocal        | 0          | 1           | 1     |
| Negative         | 0          | 3           | -1    |
| <b>Total</b>     | <b>96</b>  | <b>219</b>  |       |
| <b>% Correct</b> | <b>100</b> | <b>98.2</b> |       |

**Specimen : 8316 Specimen type: Vaginal swab**

Intended result:  
*N. gonorrhoeae* DNA detected



Your Report : *Neisseria gonorrhoeae* DNA positive

Your Score : **2**

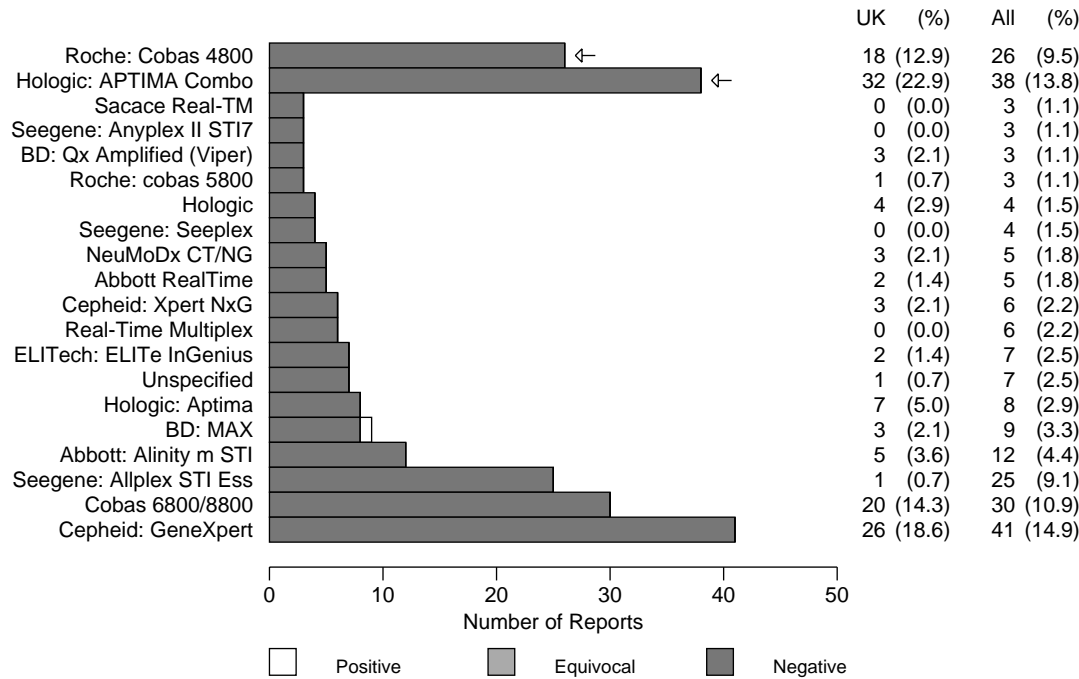
| Overall Results  | UK         | All         | Score |
|------------------|------------|-------------|-------|
| Positive         | 96         | 212         | 2     |
| Equivocal        | 0          | 0           | 1     |
| Negative         | 0          | 3           | -1    |
| <b>Total</b>     | <b>96</b>  | <b>215</b>  |       |
| <b>% Correct</b> | <b>100</b> | <b>98.6</b> |       |



Four simulated vaginal swabs were distributed with a request for the detection of *Chlamydia trachomatis* and/or *Neisseria gonorrhoeae*. Specimen 8314 was a negative specimen and consisted of the matrix material only. Specimen 8315 originated from cultured *N. gonorrhoeae* from a single clinical sample diluted 1:200. Specimen 8316 originated from cultured *C. trachomatis* from a single clinical sample diluted 1:950000 (serovar J) and cultured *N. gonorrhoeae* from a single clinical sample diluted 1:1500. Specimen 8317 originated from cultured *N. cinerea* from a single clinical sample diluted 1:9000.

**Specimen : 8317 Specimen type: Vaginal swab**

Intended result:  
*C. trachomatis* DNA not detected



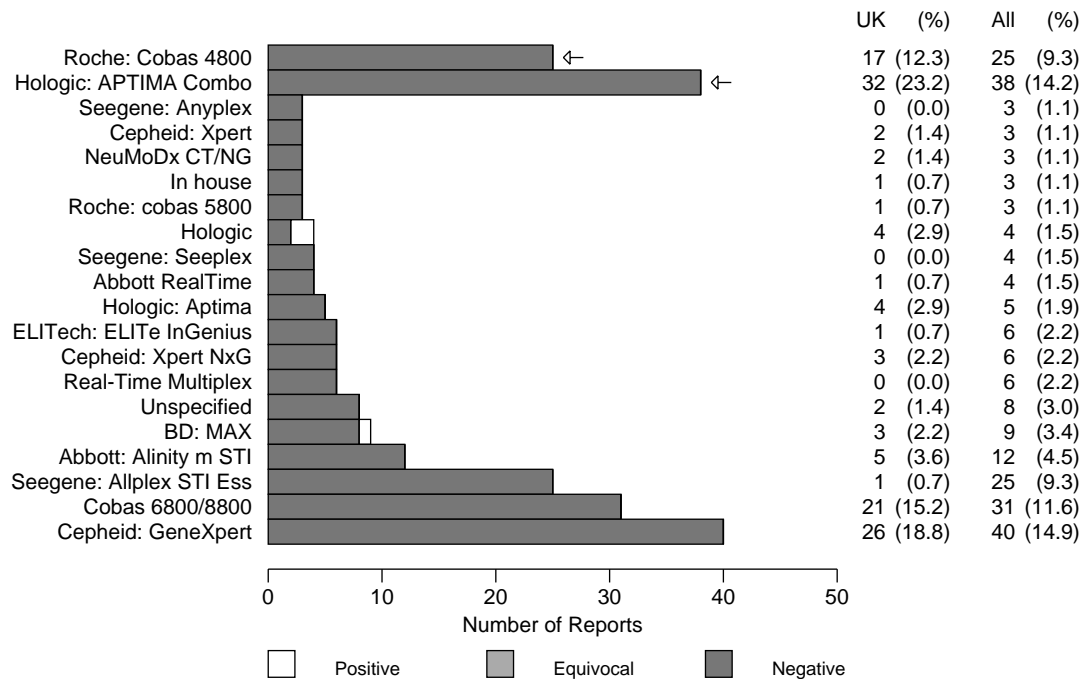
Your Report : *Chlamydia trachomatis* DNA negative

Your Score : 2

| Overall Results  | UK         | All         | Score |
|------------------|------------|-------------|-------|
| Positive         | 0          | 2           | -1    |
| Equivocal        | 0          | 0           | 1     |
| Negative         | 97         | 218         | 2     |
| <b>Total</b>     | <b>97</b>  | <b>220</b>  |       |
| <b>% Correct</b> | <b>100</b> | <b>99.1</b> |       |

**Specimen : 8317 Specimen type: Vaginal swab**

Intended result:  
*N. gonorrhoeae* DNA not detected



Your Report : *Neisseria gonorrhoeae* DNA negative

Your Score : 2

| Overall Results  | UK          | All         | Score |
|------------------|-------------|-------------|-------|
| Positive         | 1           | 1           | -1    |
| Equivocal        | 0           | 0           | 1     |
| Negative         | 95          | 214         | 2     |
| <b>Total</b>     | <b>96</b>   | <b>215</b>  |       |
| <b>% Correct</b> | <b>99.0</b> | <b>99.5</b> |       |



### Comments on distribution 5534

The overall performance in this distribution was excellent, with 99.1% of participants reporting correct results for *Chlamydia trachomatis* (CT) and 99.0% for *Neisseria gonorrhoeae* (NG).

This is an improvement of 0.4 % for *Chlamydia trachomatis* (CT) and an improvement of 0.1% for *Neisseria gonorrhoeae* (NG) results compared to distribution 5486, where the performance were 98.7% for *Chlamydia trachomatis* (CT) and 98.8% for *Neisseria gonorrhoeae* (NG).

The return rate of results was very good with 87.4% of participants returning results within the deadline. This is a decline of 3.9% compared to the previous distribution (5486) where the return rate was 91.3%.

All specimens in this distribution have been scored and no platform specific issues to note.

#### **Investigating incorrect results and non-return of results**

Participants who did not obtain the intended results are requested to investigate and report the plausible root cause by completing an incident review form (IRF) online within 30 days of this report being published. IRFs are taken into considerations when poor performance analysis is carried out for the National Quality Assurance Advisory Panel (NQAAP).

#### **Non-return of results is considered as poor performance.**

Participants who did not return their results should also complete an IRF. IRFs are available on the following link: <https://ukneqasmicro.org.uk/incident-review-form/>

**End of report**

