

Intended Result	Your Report	Your Score
Specimen 4467 Galactomannan antigen negative	Galactomannan antigen negative	2
Specimen 4468 Galactomannan antigen negative	Galactomannan antigen negative	2
Specimen 4469 Galactomannan antigen positive	Galactomannan antigen positive	2

Cumulative score information

Total number of specimens sent to you for **UK NEQAS for Fungal biomarkers** over the last 3 distributions is 9

For these distributions specimen numbers 4026 4027 4268 4215 4216 4269 4467 4468 4469 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 14 out of a possible 14

The mean score calculated from the reports returned by **UK** laboratories testing the specimen/test combinations you examined was 13.36 with a standard error of 1.80.

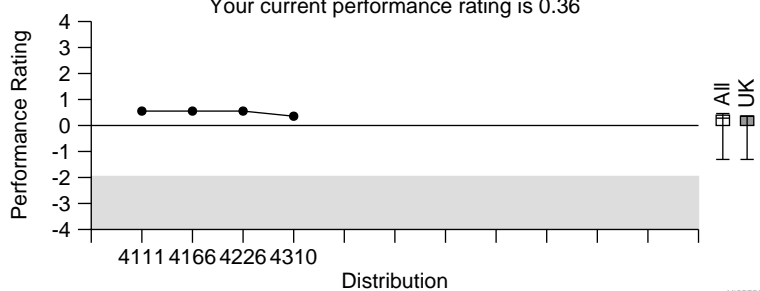
Performance rating

Your performance rating for **UK NEQAS for Fungal biomarkers** (i.e. the number of standard errors by which your cumulative score lies above or below the mean for UK laboratories) is 0.36.

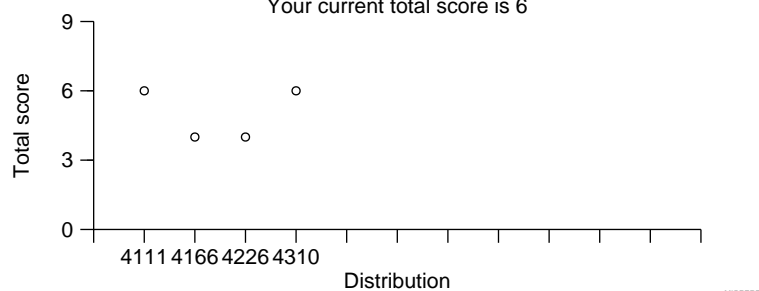
A performance rating of more than 1.96 standard errors below the mean indicates possible poor performance. Your performance rating may change if other participants' results are amended.

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

Your performance rating over the past 4 distributions
Your current performance rating is 0.36



Total score you achieved for the last 4 distributions
Your current total score is 6



Comments:

The samples were sent to 82 laboratories with 73 (89.0%) of laboratories returning results.

Turn around time: The time taken to report your results was 1 days. This information is provided for your own use and does not form part of your performance assessment.

Specimen 4467:

This specimen was negative for galactomannan antigen in serum (index value <0.3). There was a good performance with 90.4% (66/73) of participants reported the correct result. Seven participants reported the presence of galactomannan antigen.

Specimen 4468:

This specimen was negative for galactomannan antigen in serum. Index value ranged between 0.2 - 0.4 indicating a threshold value. Concordance with the intended result was 86.1% (62/72) of participants. Eight participants reported a positive result and two participants reported an equivocal result

Specimen 4469:

This specimen was positive for galactomannan antigen in serum. Index value ranged between 0.5 - 0.8 indicating a positive value. There was an excellent performance with 97.2% (70/72) of participants reporting the correct result.

It is recommended, in the kit manufacturer's instructions, to eliminate false positives by retesting another aliquot of the same sample. The Mycology Reference Laboratory in Bristol, strongly recommend repeat testing on another aliquot of the same sample as per manufacturers instructions.

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 number/s. Any technical enquiries related to this distribution, please contact Shila Seaton using the email address above.

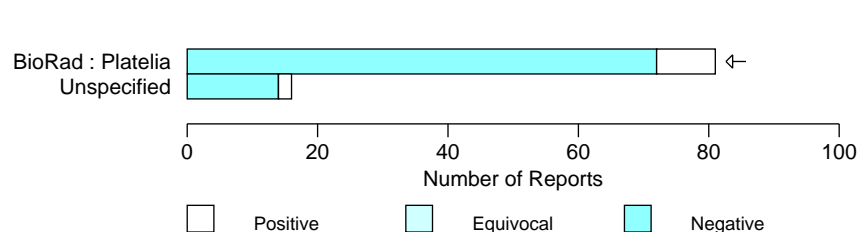
Report authorised by: Dr Paul Chadwick, Scheme Organiser.



Three specimens were dispatched with a request of screening for galactomannan antigen by routine methods. Specimen 4467 consisted of a single thrombinised plasma (serum) negative for galactomannan antigen. Specimen 4468 consisted of a single thrombinised plasma (serum) containing a threshold level of galactomannan antigen and 4269, consisted of single thrombinised plasma (serum) spiked with galactomannan antigen.

Specimen : 4467 Galactomannan antigen negative

Index: <0.2



UK (%)	All (%)
13 (68.4)	81 (83.5)
6 (31.6)	16 (16.5)

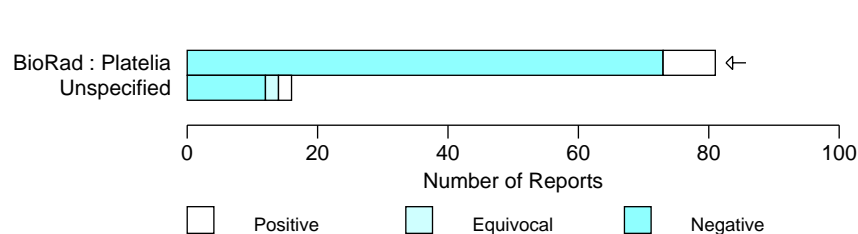
Your Report : Galactomannan antigen negative

Your Score : **2**

Overall Results	UK	All	Score
Positive	2	7	-1
Equivocal	0	0	0
Negative	11	66	2
Total	13	73	
% Correct	84.6	90.4	

Specimen : 4468 Galactomannan antigen negative

Index: 0.2-0.4



UK (%)	All (%)
13 (68.4)	81 (83.5)
6 (31.6)	16 (16.5)

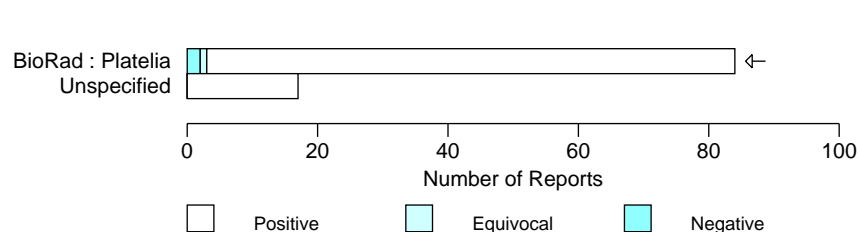
Your Report : Galactomannan antigen negative

Your Score : **2**

Overall Results	UK	All	Score
Positive	1	8	-1
Equivocal	0	2	0
Negative	12	62	2
Total	13	72	
% Correct	92.3	86.1	

Specimen : 4469 Galactomannan antigen positive

Index:0.5-0.8



UK (%)	All (%)
14 (66.7)	84 (83.2)
7 (33.3)	17 (16.8)

Your Report : Galactomannan antigen positive

Your Score : **2**

Overall Results	UK	All	Score
Positive	13	70	2
Equivocal	0	1	0
Negative	0	1	-1
Total	13	72	
% Correct	100	97.2	



Distribution 4310

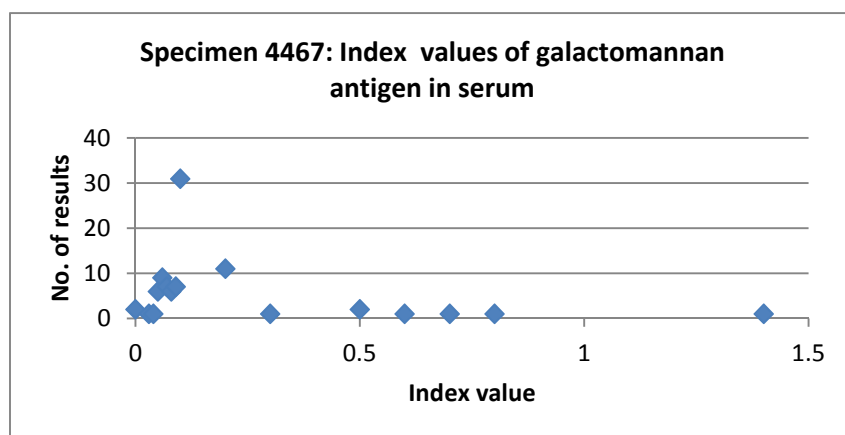
Specimen 4467

This specimen was negative for the presence of the galactomannan antigen in serum. UK NEQAS and reference laboratory values determined were <0.3 .

Most common index values reported by participants were: 0.06 (n=9), 0.1 (n=31) and 0.2 (n=11). Duplicate results entered have been included, (figure 1).

Of the seven laboratories reporting a positive result for galactomannan, one reported an index of 0.6, one 0.7, one 0.8, one 1.4, one 3.5, one 9.0 and one an extremely high index of 19.3 (those results of ≥ 1.5 have not been included in the graph).

Figure 1:



Specimen 4468

This specimen contained a threshold level of galactomannan giving an index of <0.5 and therefore was negative for the concentration of the antigen indicating infection.

UK NEQAS and reference laboratory values determined were between 0.2 and 0.4. Most common index values reported by participants 0.2 (n=13), 0.3 (n=46) and 0.4 (n=19). Duplicate results entered have been included, (figure 2).

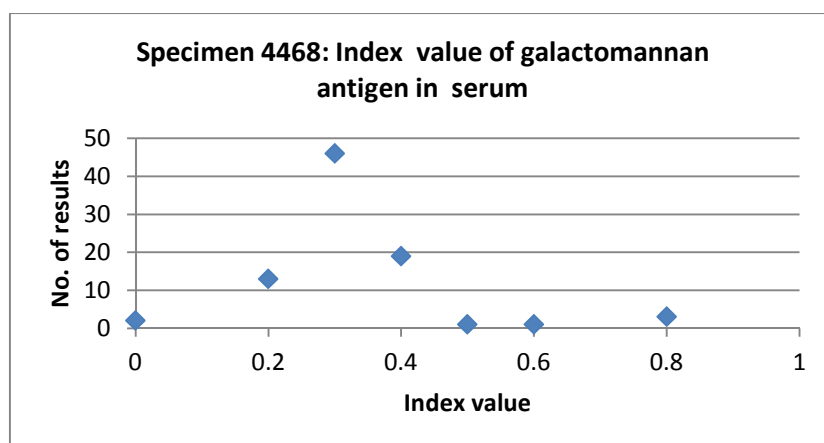
Eight laboratories reported a positive result indicating presence of the antigen. Two reported an index of 0.8, one 2.9, one 3.7, one 4.3, one 6.1, one 6.8 and one 11.5. (Those results >0.8 have been excluded from the graph).

Two laboratories reported equivocal results (index values 0.5 and 0.55). However the kit used does not produce equivocal results. Index values determined that are ≥ 0.5 should be



reported as positive for the antigen following manufacturer's instructions (and it is recommended to repeat the test on another aliquot of the same specimen).

Figure 2:



Specimen 4469

This specimen was positive for the presence of the galactomannan antigen in a simulated serum.

The positive index values for serum by UK NEQAS and reference laboratory values were between 0.5 and 0.8. The most common index values reported by participants were 0.6 (n=29), 0.7 (n=34) and 0.8 (n=21), figure 3, (duplicate results are included).

Only one laboratory reported a negative result.

Figure 3:

