

Intended Result	Your Report	Your Score
Specimen 4393 <i>Streptococcus pneumoniae</i>	<i>Streptococcus pneumoniae</i>	2
Specimen 4394 <i>Enterococcus faecalis</i>	<i>Enterococcus faecalis</i>	2
Specimen 4395 <i>Escherichia coli</i>		
Amikacin susceptible	susceptible	2
Amoxicillin resistant	resistant	2
Amoxicillin-clavulanic acid resistant	resistant	Not scored
Ampicillin resistant	resistant	2
Cefotaxime susceptible	susceptible	2
Ceftazidime susceptible	susceptible	2
Ceftriaxone susceptible	susceptible	2
Cefuroxime susceptible	susceptible	2
Ciprofloxacin susceptible	susceptible	2
Colistin susceptible	susceptible	2
Ertapenem susceptible	susceptible	2
Gentamicin susceptible	susceptible	2
Imipenem susceptible	susceptible	2
Meropenem susceptible	susceptible	2
Piperacillin-tazobactam susceptible	susceptible	2
Tigecycline susceptible	susceptible	2
Tobramycin susceptible	susceptible	2
Specimen 4396 <i>Enterococcus faecalis</i>		
Amoxicillin susceptible	susceptible	2
Ampicillin susceptible	susceptible	2
Gentamicin susceptible	susceptible	Not scored
Linezolid susceptible	susceptible	2
Teicoplanin resistant	resistant	2
Vancomycin resistant	resistant	2

For cumulative score information please go to page 2 of this report.

Turn around time: The time taken to report your results was 7 day(s). This information is provided for your own use and does not form part of your performance assessment.

Comment:

Specimen 4393: This specimen contained a *Streptococcus pneumoniae*. Some 86.8% of participants (118/136) reported a correct result.

Specimen 4394: This specimen contained an *Enterococcus faecalis*. A total of 93.4% (127/136) of laboratories reported the correct result.

Specimen 4395: This specimen contained an *Escherichia coli*. There was a good performance with between 90.1 and 100% concordance with the reference susceptibilities for all agents, except for amoxicillin-clavulanic acid (32.8%) which was not scored as there was less than 80% concordance with the intended result.

Specimen 4396: This specimen contained an *Enterococcus faecalis*. There was a good performance with between 94.1 and 100% concordance with the reference susceptibilities for all agents, except for gentamicin (75.0%) which was not scored as there was less than 80% concordance with the intended result.

UK Standards for Microbiology Investigations (SMIs) are available on the following website:

<https://www.gov.uk/government/collections/standards-for-microbiology-investigations-smi>.

Participants of the Community medicine scheme may find this a useful tool in addition to their local testing protocols. In respect to this current distribution, participants are guided to the following standard methods on the SMI web page: B 2: Investigation of bacterial eye infections; ID 4: Identification of *Streptococcus* species, *Enterococcus* species and morphologically similar organisms; B 41: Investigation of urine.

Acknowledgments: We thank colleagues in the following Public Health England (PHE) - National Infection Service: the Antimicrobial Resistance and Healthcare Associated Infections Reference Unit (AMRHAI), Respiratory and Vaccine Preventable Bacteria Reference Unit (RVPBRU) and the EUCAST Development Laboratory in Växjö, Sweden and the Specialist Antimicrobial Chemotherapy unit, Public Health Wales, Cardiff for the supply of strains and confirmatory testing.

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 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.

Report authorised by: Paul Chadwick, Scheme Organiser



Cumulative score information

Total number of specimens sent to you for **UK NEQAS for Community medicine** over the last 4 distributions is 16.

For these distributions specimen numbers 3915 3916 3917 3918 4039 4040 4041 4042 4134 4135 4136 4137 4393 4394 4395 4396 have been sent.

Number of specimens reported too late for analysis (not scored) is 0

Your cumulative score for the specimen/test combinations that you reported was 186 out of a possible total of 186

The mean score calculated from the reports returned by **ALL** laboratories testing the specimen/test combinations you examined was 179.74 with a standard error of 4.10.

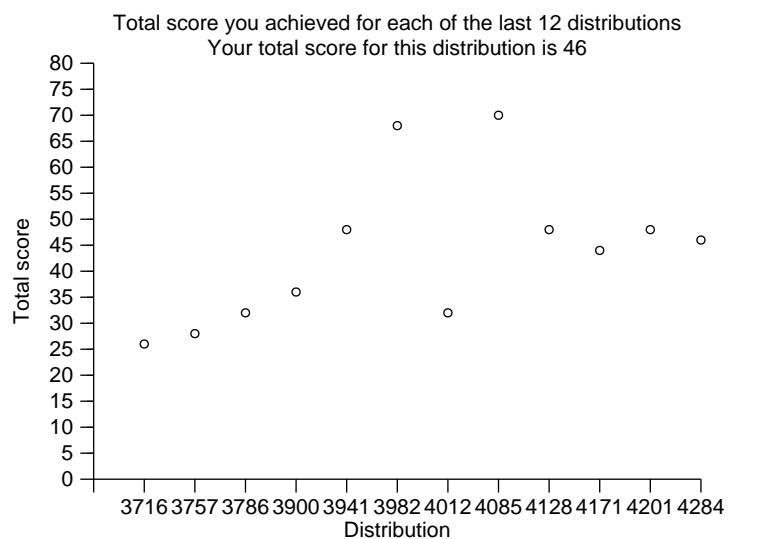
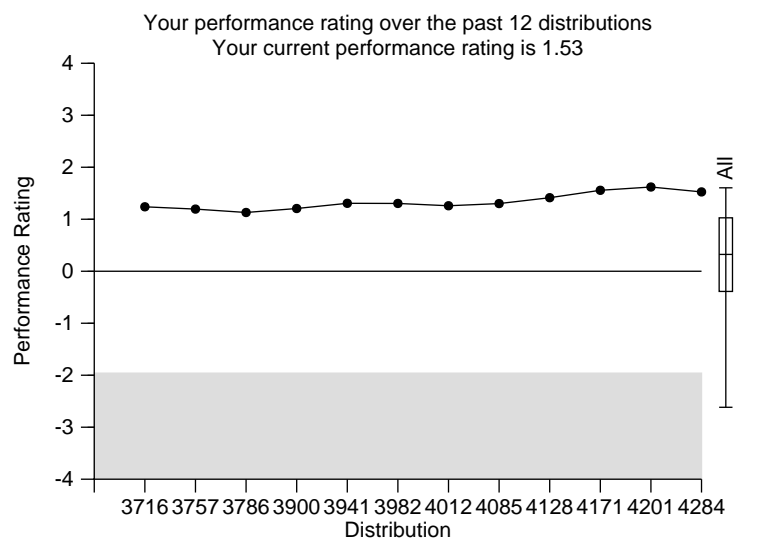
Performance rating

Your performance rating for **UK NEQAS for Community medicine** (i.e. the number of standard errors by which your cumulative score lies above or below the mean for **ALL** laboratories) is 1.53.

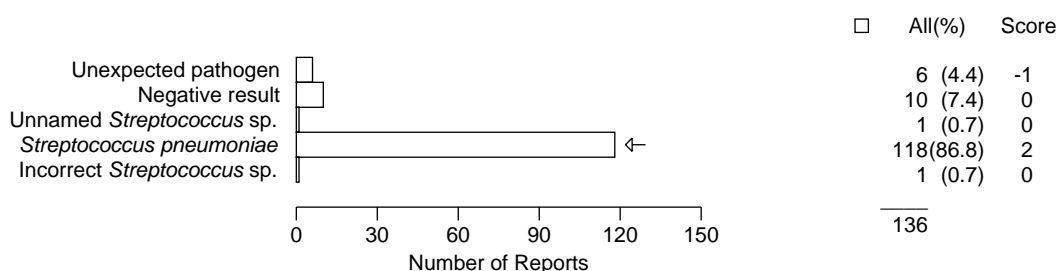
A performance rating of more than 1.96 standard errors below the mean indicates possible poor performance.

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.



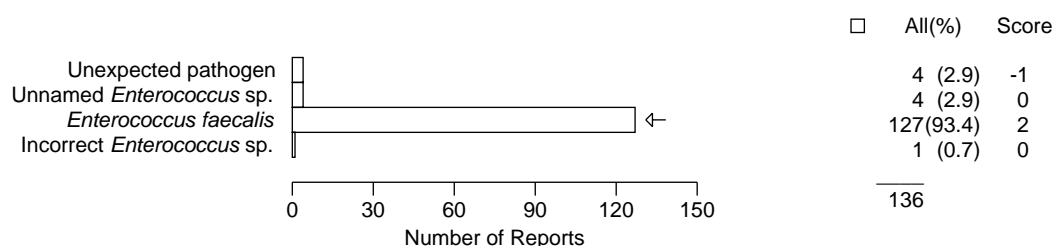
Specimen : 4393 Eye swab. Infant with a sticky eye. The presence of significant pathogens was queried. Specimen contained *Streptococcus pneumoniae* and *Streptococcus oralis*.



Unexpected pathogen:
Enterococcus faecalis 2
Enterobacter aerogenes 1
Kocuria rosea 1
Moraxella catarrhalis 2

Incorrect species:
S. mutans 1

Specimen : 4394 Urine. 37 year old woman with cystitis. The presence of pathogens was queried. Specimen contained *Enterococcus faecalis*.



Unexpected pathogen:
Aerococcus viridans 1
Beta-haemolytic streptococcus group B 1
Sphingobacterium paucimobilis 1
Streptococcus pneumoniae 1

Incorrect species:
E. faecium 1

Specimen : 4395 *Escherichia coli*

Antimicrobial agent	Correct result	MICs in mg/L Ref. Labs		No. of laboratories reporting as			% of Laboratories with correct result All
		1	2	S All	M/I	R	
Amikacin	susceptible	2	4	110	6	3	92.4
Amoxicillin	resistant	>=32	>=32	5	0	59	92.2
Amoxicillin-clavulanic acid	resistant	16	16	80	4	41	32.8
Ampicillin	resistant	>=32	>=32	1	0	120	99.2
Cefotaxime	susceptible	0.06	0.06	113	0	2	98.3
Ceftazidime	susceptible	0.25	0.25	131	0	3	97.8
Ceftriaxone	susceptible	0.06	0.06	78	0	2	97.5
Cefuroxime	susceptible	8	8	100	0	11	90.1
Ciprofloxacin	susceptible	<0.015	<0.015	132	0	0	100
Colistin	susceptible	<0.25	<0.25	76	0	3	96.2
Ertapenem	susceptible	<0.015	<0.015	117	1	0	99.2
Gentamicin	susceptible	1	1	133	0	1	99.3
Imipenem	susceptible	0.12	0.25	113	0	0	100
Meropenem	susceptible	0.03	0.03	129	0	0	100
Piperacillin-tazobactam	susceptible	2	2	111	1	1	98.2
Tigecycline	susceptible	0.25	0.25	85	1	1	97.7
Tobramycin	susceptible	1	1	79	0	1	98.8

Specimen : 4396 *Enterococcus faecalis*

Antimicrobial agent	Correct result	MICs in mg/L Ref. Labs		No. of laboratories reporting as			% of Laboratories with correct result All
		1	2	S All	M/I	R	
Amoxicillin	susceptible	1	1	64	0	0	100
Ampicillin	susceptible	2	1	129	1	0	99.2
Gentamicin	susceptible	64	8	78	3	23	75.0
Linezolid	susceptible	4	1	131	0	1	99.2
Teicoplanin	resistant	>64	>64	6	1	119	94.4
Vancomycin	resistant	>64	>64	7	1	128	94.1

