

External Quality Assessment Scheme

Respiratory infections multiplex, nucleic acid detection Round 1, 2023

Specimens

Please find enclosed 4 artificial nasopharyngeal samples S001, S002, S003 and S004, each 1 mL.

Caution

Quality control specimens must be handled with the same care as patient samples, i.e. as potential transmitters of serious diseases. According to the sample manufacturer the specimens do not contain viable microbes and the specimens are found to be HBsAg, HCVAb and HIVAb negative when tested with licensed reagents. However, no known test method can offer complete assurance that the specimens will not transmit these or other infectious diseases.

Note! The scheme does not contain infectious SARS-CoV-2 virus, so samples can be handled with standard biosafety measures.

Examinations

Please see page 2.

Note! New analyte: *Legionella pneumophila*.

Storage and use

After arrival, the samples should be stored at +2...8 °C, and used as soon as possible, preferably within a week. The samples are ready for use. Perform the analysis according to the manufacturer's instructions for a liquid specimen.

Result reporting

Please enter the results and methods via LabScala (www.labscala.com).

Report the measurement date, test selection (tick the box) and method in the "Test selection" tab on the Pre-analytics page. If a listed pathogen is not included in your test selection, please choose "not in test selection" for the analyte in question. This information is transferred automatically to each sample and to the next round. You can change the information sample-wise or return to this page in order to change the information for all samples. If your test method is missing from the list, please contact the EQA Coordinator.

First, report the number of pathogenic findings that were identified from the sample. This question concerns only the pathogens that are included in the panel of this EQA round and are in your test selection. Next, report the pos/neg interpretation of each pathogen separately and the test result (e.g. Ct value). If you wish, you may copy e.g. interpretation "negative" to all analytes and then change the deviating results. Please note that results which are in the "draft" mode are not accepted in the result processing.

The participants are scored according to their test selection. In general, only the positive findings are scored for each sample. Interpretations "No test result" and "Invalid/unclear test result" are excluded from scoring. It is expected that the pathogens indicated in the sample content are to be identified, whereas other deviating findings will reduce the overall success rate. For those samples that are negative regarding all pathogens included in the panel of this scheme, the scoring is based on the answer given to the question "number of pathogenic findings" and the expected result would be "Negative sample, no pathogens detected".

2023-02-07

INSTRUCTIONS

Product no. 5300
LQ782523011-014/US

If the kit is incomplete or contains damaged specimens, please report immediately to info@labquality.fi.

The results should be reported no later than **March 2, 2023**.

The expected results of the round are published in LabScala in the View Reports section by March 7, 2023.

Inquiries

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Respiratory infections multiplex, nucleic acid detection

Examinations

The laboratory should examine the samples according to their routine protocol.

Adenovirus

Bordetella parapertussis

Bordetella pertussis

Chlamydia pneumoniae

Coronavirus (OC43, 229E, NL63, HKU1)

Enterovirus

Influenzavirus A/B

Legionella pneumophila

Metapneumovirus

Mycoplasma pneumoniae

Parainfluenzavirus 1-4

Rhinovirus

RSV A/B

SARS-CoV-2

Streptococcus pneumoniae

S001



S002



S003



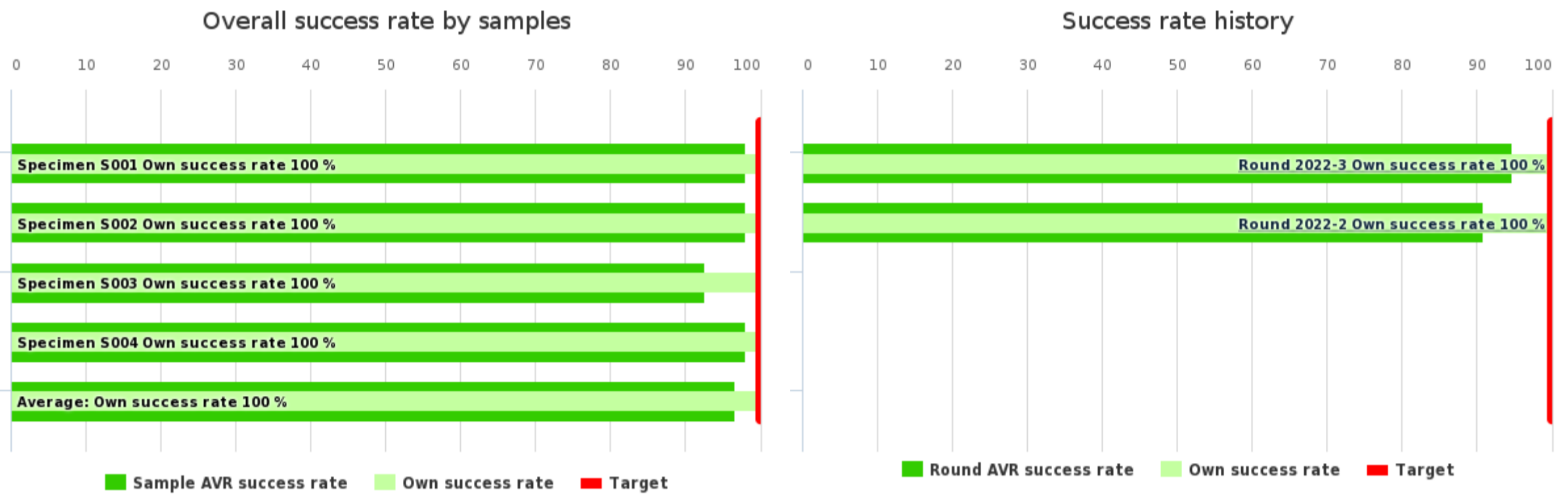
S004



Client report

	No of participants	No of responded participants	Response percentage
Respiratory infections multiplex, nucleic acid detection, February, 1-2023	110	103	93.6 %

Summary

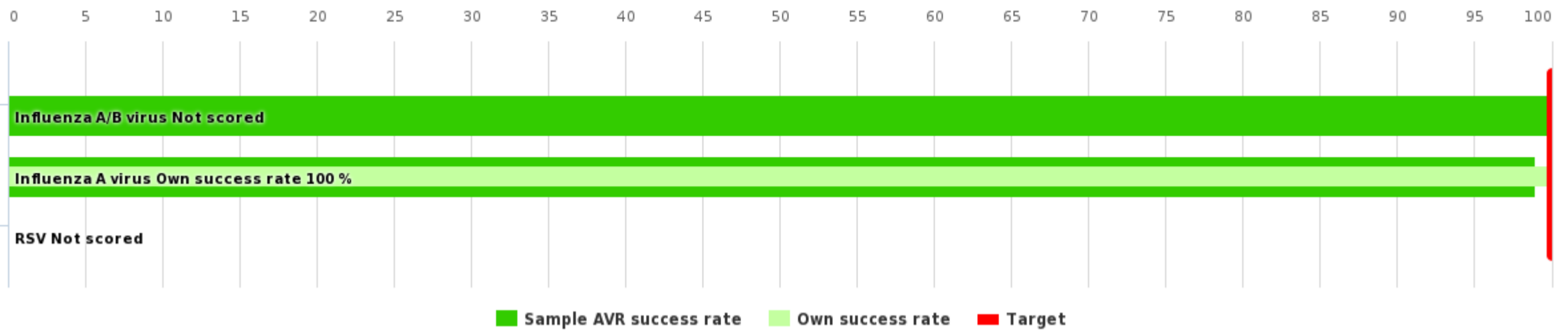


Summary	Own score	Max score	Own success rate	Difference	AVR success rate
Specimen S001	2	2	100 %	1.9 %	98.1 %
Specimen S002	2	2	100 %	1.9 %	98.1 %
Specimen S003	2	2	100 %	7.4 %	92.6 %
Specimen S004	2	2	100 %	1.9 %	98.1 %
Average:			100 %	3.3 %	96.7 %

History	Test nr.	Own success rate	Difference	AVR success rate
Round 2022-3	1-1	100 %	5.2 %	94.8 %
Round 2022-2	1-1	100 %	9.1 %	90.9 %

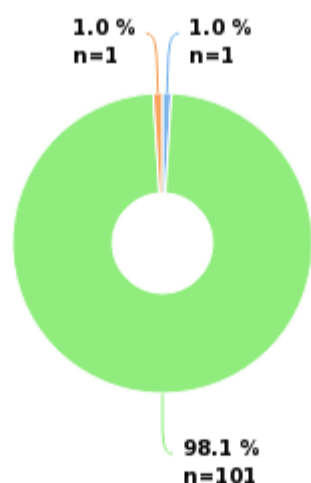
Specimen S001 | Influenza A virus

Specimen S001 success rate



Specimen S001 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate
	Number of pathogenic findings	-	-	-	-	-
	Adenovirus	-	-	-	-	-
	Bordetella parapertussis	-	-	-	-	-
	Bordetella pertussis	-	-	-	-	-
	Chlamydia pneumoniae	-	-	-	-	-
	Coronavirus (OC43, 229E, NL63, HKU1)	-	-	-	-	-
	Enterovirus	-	-	-	-	-
	Enterovirus/rhinovirus	-	-	-	-	-
	Influenza A/B virus	-	-	-	-	100 %
	Influenza A virus	2	2	100 %	1 %	99 %
	Influenza B virus	-	-	-	-	-
	Legionella pneumophila	-	-	-	-	-
	Mycoplasma pneumoniae	-	-	-	-	-
	Metapneumovirus	-	-	-	-	-
	Parainfluenza	-	-	-	-	-
	Parainfluenzavirus 1	-	-	-	-	-
	Parainfluenzavirus 2	-	-	-	-	-
	Parainfluenzavirus 3	-	-	-	-	-
	Parainfluenzavirus 4	-	-	-	-	-
	Rhinovirus	-	-	-	-	-
	RSV	-	-	-	-	0 %
	RSV A	-	-	-	-	-
	RSV B	-	-	-	-	-
	SARS-CoV-2	-	-	-	-	-
	Streptococcus pneumoniae	-	-	-	-	-
	Total:	2	2	100 %	1.9 %	98.1 %

Specimen S001 Number of pathogenic findings



- Negative sample, no pathogens detected
- Positive sample, 1 pathogen detected
- Positive sample, 2 pathogens detected

NUMBER OF PATHOGENIC FINDINGS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative sample, no pathogens detected	1	-				-
<input checked="" type="radio"/> Positive sample, 1 pathogen detected	101	-				-
Positive sample, 2 pathogens detected	1	-				-
Total:	103	-	-	-	-	

ADENOVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	101	-				-
Not in test selection	3	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	5	-	5
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	101	3	104

BORDETELLA PARAPERTUSSIS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	73	-				-
Not in test selection	31	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
BioGX Bordetella Speciation Plus Toxin	2	-	2
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 55	-	55
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 4	12	-	12
Seegene Anyplex II RB5	1	-	1
Siemens Fast-Track Diagnostics FTD Bordetella	1	-	1
Total:	73	31	104

BORDETELLA PERTUSSIS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	91	-				-
Not in test selection	13	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX Bordetella Speciation Plus Toxin	2	-	2
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 53	-	53
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
GenMark Respiratory Pathogen (RP) Panel	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	5	-	5
In house	1	-	1
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12

Seegene Allplex Respiratory Panel 4	12	-	12
Siemens Fast-Track Diagnostics FTD Bordetella	1	-	1
Total:	91	13	104

CHLAMYDIA PNEUMONIAE

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	80	-				-
Not in test selection	24	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	3	-	3
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	1	-	1
Seegene Allplex Respiratory Panel 4	12	-	12
Seegene Anyplex II RB5	1	-	1
Siemens Fast-Track Diagnostics FTD Atypical CAP	1	-	1
Total:	80	24	104

CORONAVIRUS (OC43, 229E, NL63, HKU1)

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	94	-				-
Not in test selection	10	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	5	-	5
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 3	10	-	10
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	94	10	104

ENTEROVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	17	-				-
<input checked="" type="radio"/> Not in test selection	87	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
Seegene Allplex Respiratory Panel 2	13	-	13
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	17	87	104

ENTEROVIRUS/RHINOVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	82	-				-

Not in test selection	22	-	-	-	-
Total:	104	-	-	-	-

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	3	-	3
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Total:	82	22	104

INFLUENZA A/B VIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Positive	1	-	-	-	-	100 %
Not in test selection	103	-	-	-	-	-
Total:	104	-	-	-	-	100 %

Method	Positive	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
Total:	1	103	104

INFLUENZA A VIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	1	-	-	-	-	0 %
Positive	101	2	2	100 %	0 %	100 %
Not in test selection	2	-	-	-	-	-
Total:	104	2	2	100 %	1 %	99 %

Method	Negative	Positive	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	-	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	-	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	-	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	-	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	1	51	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	-	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	-	4	-	4
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	-	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	-	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	-	6	-	6
In house	-	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	-	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	-	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	-	12	-	12
Seegene Allplex Respiratory Panel 1	-	10	-	10
Seegene Allplex RV Master Assay	-	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	-	1	-	1
Total:	1	101	2	104

INFLUENZA B VIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	102	-	-	-	-	-
Not in test selection	2	-	-	-	-	-
Total:	104	-	-	-	-	-

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4

bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	3	-	3
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 1	10	-	10
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	102	2	104

LEGIONELLA PNEUMOPHILA

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	35	-				-
<input checked="" type="radio"/> Not in test selection	69	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	5	-	5
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	1	-	1
Qiagen DiagCORE STAT-Dx Respiratory Panel V2	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	11	-	11
Seegene Allplex Respiratory Panel 4	10	-	10
Siemens Fast-Track Diagnostics FTD Atypical CAP	1	-	1
Total:	35	69	104

MYCOPLASMA PNEUMONIAE

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	97	-				-
Not in test selection	7	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel	2	-	2
GenMark Respiratory Pathogen (RP) Panel 2	4	-	4
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 4	12	-	12
Siemens Fast-Track Diagnostics FTD Bacterial pneumoniae CAP	1	-	1
Total:	97	7	104

METAPNEUMOVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	100	-				-
Not in test selection	4	-				-

Total:	104	-	-	-	-
Method	Negative	Not in test selection	Total:		
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1		
AusDiagnostics Respiratory Viruses (16-well)	1	-	1		
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1		
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4		
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52		
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1		
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2		
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1		
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6		
In house	1	-	1		
Luminex NxTAG Respiratory Pathogen Panel	2	-	2		
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1		
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12		
Seegene Allplex Respiratory Panel 2	12	-	12		
Seegene Allplex RV Master Assay	2	-	2		
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1		
Total:	100	4	104		

PARAINFLUENZA

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	12	-				-
Not in test selection	92	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	8	-	8
Seegene Allplex RV Master Assay	2	-	2
Total:	12	92	104

PARAINFLUENZAVIRUS 1

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	93	-				-
Not in test selection	11	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 2

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	93	-				-
Not in test selection	11	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54

bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 3

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	93	-				-
Not in test selection	11	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 4

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	94	-				-
Not in test selection	10	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	94	10	104

RHINOVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	20	-				-
<input checked="" type="radio"/> Not in test selection	84	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1

In house	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 3	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	20	84	104

RSV

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	82	-				-
Positive	1	-				0 %
Not in test selection	21	-				-
Total:	104	-	-	-	-	0 %

Method	Negative	Positive	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	2	-	-	2
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 51	1	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	4	-	-	4
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	-	1
In house	2	-	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	-	12
Seegene Allplex RV Master Assay	2	-	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	-	1
Total:	82	1	21	104

RSV A

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	21	-				-
<input checked="" type="radio"/> Not in test selection	83	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 1	10	-	10
Total:	21	83	104

RSV B

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	21	-				-
<input checked="" type="radio"/> Not in test selection	83	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 1	10	-	10
Total:	21	83	104

SARS-COV-2

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	90	-				-
Not in test selection	14	-				-

Total:	104	-	-	-	-
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Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	2	-	2
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 58	-	58
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Fast-track Diagnostics FTD SARS-CoV-2 Assay	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Seegene Allplex SARS-CoV-2 Assay	2	-	2
Seegene Allplex SARS-CoV-2/FluA/FluB/RSV Assay	1	-	1
Total:	90	14	104

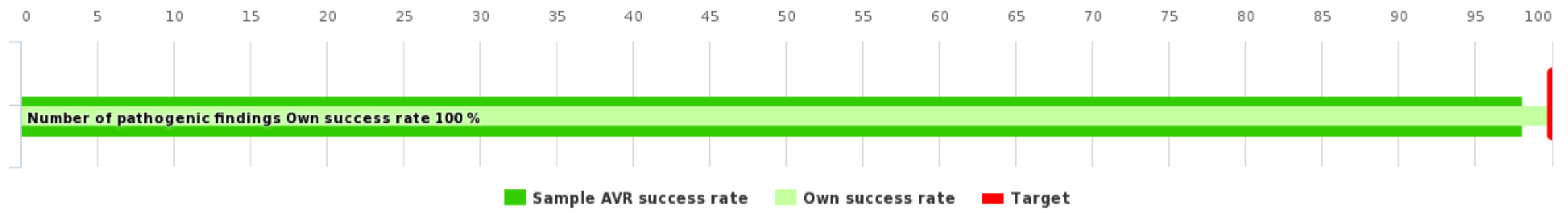
STREPTOCOCCUS PNEUMONIAE

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	23	-				-
<input checked="" type="radio"/> Not in test selection	81	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	7	-	7
Certest VIASURE H. influenzae + S. pneumoniae + M. catarrhalis Real Time PCR Detection Kit	1	-	1
Seegene Allplex Respiratory Panel 4	13	-	13
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	23	81	104

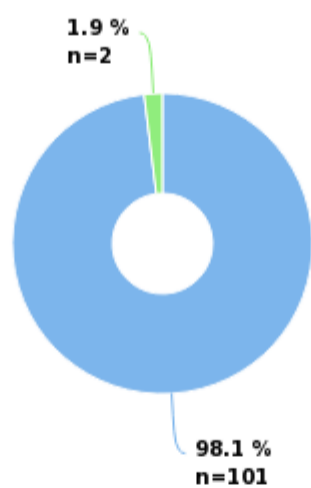
Specimen S002 | Negative

Specimen S002 success rate



Specimen S002 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate
	Number of pathogenic findings	2	2	100 %	1.9 %	98.1 %
	Adenovirus	-	-	-	-	-
	Bordetella parapertussis	-	-	-	-	-
	Bordetella pertussis	-	-	-	-	-
	Chlamydia pneumoniae	-	-	-	-	-
	Coronavirus (OC43, 229E, NL63, HKU1)	-	-	-	-	-
	Enterovirus	-	-	-	-	-
	Enterovirus/rhinovirus	-	-	-	-	-
	Influenza A/B virus	-	-	-	-	-
	Influenza A virus	-	-	-	-	-
	Influenza B virus	-	-	-	-	-
	Legionella pneumophila	-	-	-	-	-
	Mycoplasma pneumoniae	-	-	-	-	-
	Metapneumovirus	-	-	-	-	-
	Parainfluenza	-	-	-	-	-
	Parainfluenzavirus 1	-	-	-	-	-
	Parainfluenzavirus 2	-	-	-	-	-
	Parainfluenzavirus 3	-	-	-	-	-
	Parainfluenzavirus 4	-	-	-	-	-
	Rhinovirus	-	-	-	-	-
	RSV	-	-	-	-	-
	RSV A	-	-	-	-	-
	RSV B	-	-	-	-	-
	SARS-CoV-2	-	-	-	-	-
	Streptococcus pneumoniae	-	-	-	-	-
Total:		2	2	100 %	1.9 %	98.1 %

Specimen S002 Number of pathogenic findings



■ Negative sample, no pathogens detected
■ Positive sample, 1 pathogen detected

NUMBER OF PATHOGENIC FINDINGS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative sample, no pathogens detected	101	2	2	100 %	0 %	100 %
Positive sample, 1 pathogen detected	2	-	-	-	-	0 %
Total:	103	2	2	100 %	1.9 %	98.1 %

ADENOVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	101	-				-
Not in test selection	3	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	5	-	5
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	101	3	104

BORDETELLA PARAPERTUSSIS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	73	-				-
Not in test selection	31	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
BioGX Bordetella Speciation Plus Toxin	2	-	2
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 55	-	55
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 4	12	-	12
Seegene Anyplex II RB5	1	-	1
Siemens Fast-Track Diagnostics FTD Bordetella	1	-	1
Total:	73	31	104

BORDETELLA PERTUSSIS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	91	-				-
Not in test selection	13	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX Bordetella Speciation Plus Toxin	2	-	2
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 53	-	53
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
GenMark Respiratory Pathogen (RP) Panel	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	5	-	5
In house	1	-	1
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 4	12	-	12
Siemens Fast-Track Diagnostics FTD Bordetella	1	-	1
Total:	91	13	104

CHLAMYDIA PNEUMONIAE

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	80	-				-
Not in test selection	24	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	3	-	3
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	1	-	1
Seegene Allplex Respiratory Panel 4	12	-	12
Seegene Anyplex II RB5	1	-	1
Siemens Fast-Track Diagnostics FTD Atypical CAP	1	-	1
Total:	80	24	104

CORONAVIRUS (OC43, 229E, NL63, HKU1)

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	94	-				-
Not in test selection	10	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	5	-	5
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 3	10	-	10
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	94	10	104

ENTEROVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	17	-				-
<input checked="" type="radio"/> Not in test selection	87	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
Seegene Allplex Respiratory Panel 2	13	-	13
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	17	87	104

ENTEROVIRUS/RHINOVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	81	-				-
Positive	1	-				-
Not in test selection	22	-				-
Total:	104	-	-	-	-	

Method	Negative	Positive	Not in test selection	Total:
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AusDiagnostics Respiratory Viruses (16-well)	1	-	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	51	1	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	3	-	-	3
GenMark Respiratory Pathogen (RP) Panel 2	6	-	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	-	12
Total:	81	1	22	104

INFLUENZA A/B VIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	1	-				-
Not in test selection	103	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
Total:	1	103	104

INFLUENZA A VIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	102	-				-
Not in test selection	2	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	4	-	4
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 1	10	-	10
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	102	2	104

INFLUENZA B VIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	102	-				-
Not in test selection	2	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	3	-	3
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6

In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 1	10	-	10
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	102	2	104

LEGIONELLA PNEUMOPHILA

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	35	-				-
<input checked="" type="radio"/> Not in test selection	69	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	5	-	5
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	1	-	1
Qiagen DiagCORE STAT-Dx Respiratory Panel V2	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	11	-	11
Seegene Allplex Respiratory Panel 4	10	-	10
Siemens Fast-Track Diagnostics FTD Atypical CAP	1	-	1
Total:	35	69	104

MYCOPLASMA PNEUMONIAE

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	97	-				-
Not in test selection	7	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel	2	-	2
GenMark Respiratory Pathogen (RP) Panel 2	4	-	4
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 4	12	-	12
Siemens Fast-Track Diagnostics FTD Bacterial pneumoniae CAP	1	-	1
Total:	97	7	104

METAPNEUMOVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	100	-				-
Not in test selection	4	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4

bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/>	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel		1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus		2	-	2
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit		1	-	1
GenMark Respiratory Pathogen (RP) Panel 2		6	-	6
In house		1	-	1
Luminex NxTAG Respiratory Pathogen Panel		2	-	2
Luminex Verigene Respiratory Pathogens Flex Test		1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel		12	-	12
Seegene Allplex Respiratory Panel 2		12	-	12
Seegene Allplex RV Master Assay		2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus		1	-	1
Total:		100	4	104

PARAINFLUENZA

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	12	-				-
<input checked="" type="radio"/> Not in test selection	92	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	8	-	8
Seegene Allplex RV Master Assay	2	-	2
Total:	12	92	104

PARAINFLUENZAVIRUS 1

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	93	-				-
Not in test selection	11	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 2

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	92	-				-
Positive	1	-				-
Not in test selection	11	-				-
Total:	104	-	-	-	-	

Method	Negative	Positive	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 53	1	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	-	6
In house	1	-	-	1

Luminex NxTAG Respiratory Pathogen Panel	2	-	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	-	12
Seegene Allplex Respiratory Panel 2	12	-	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	-	1
Total:	92	1	11	104

PARAINFLUENZAVIRUS 3

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	93	-	-	-	-	-
Not in test selection	11	-	-	-	-	-
Total:	104	-	-	-	-	-

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 4

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	94	-	-	-	-	-
Not in test selection	10	-	-	-	-	-
Total:	104	-	-	-	-	-

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	94	10	104

RHINOVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	20	-	-	-	-	-
<input checked="" type="radio"/> Not in test selection	84	-	-	-	-	-
Total:	104	-	-	-	-	-

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
In house	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 3	12	-	12
Seegene Allplex RV Master Assay	2	-	2

Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	20	84	104

RSV

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	83	-				-
Not in test selection	21	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	2	-	2
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	4	-	4
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
In house	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	83	21	104

RSV A

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	21	-				-
<input checked="" type="radio"/> Not in test selection	83	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 1	10	-	10
Total:	21	83	104

RSV B

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	21	-				-
<input checked="" type="radio"/> Not in test selection	83	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 1	10	-	10
Total:	21	83	104

SARS-COV-2

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	90	-				-
Not in test selection	14	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	2	-	2
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1

Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	58	-	58
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Fast-track Diagnostics FTD SARS-CoV-2 Assay	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Seegene Allplex SARS-CoV-2 Assay	2	-	2
Seegene Allplex SARS-CoV-2/FluA/FluB/RSV Assay	1	-	1
Total:	90	14	104

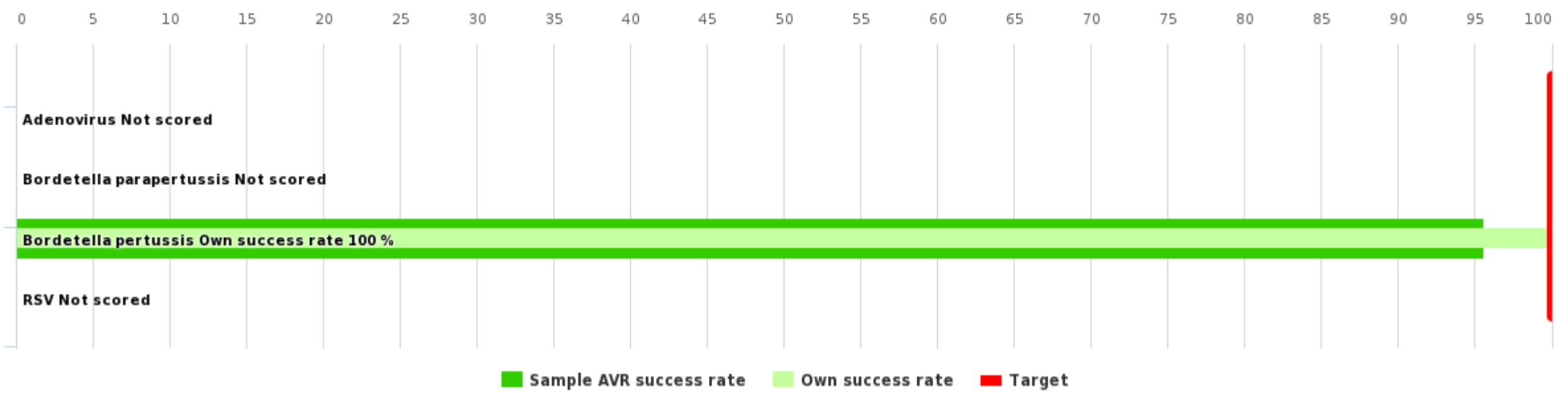
STREPTOCOCCUS PNEUMONIAE

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	23	-				-
Not in test selection	81	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	7	-	7
Certest VIASURE H. influenzae + S. pneumoniae + M. catarrhalis Real Time PCR Detection Kit	1	-	1
Seegene Allplex Respiratory Panel 4	13	-	13
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	23	81	104

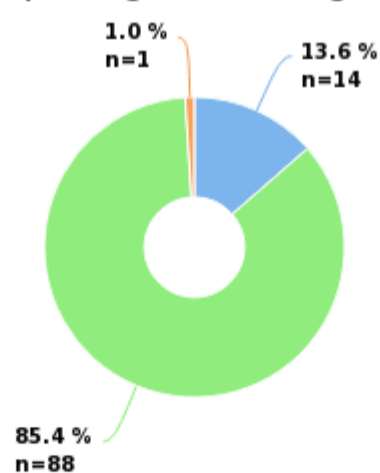
Specimen S003 | Bordetella pertussis

Specimen S003 success rate



Specimen S003 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate
	Number of pathogenic findings	-	-	-	-	-
	Adenovirus	-	-	-	-	0 %
	Bordetella parapertussis	-	-	-	-	0 %
	Bordetella pertussis	2	2	100 %	4.4 %	95.6 %
	Chlamydia pneumoniae	-	-	-	-	-
	Coronavirus (OC43, 229E, NL63, HKU1)	-	-	-	-	-
	Enterovirus	-	-	-	-	-
	Enterovirus/rhinovirus	-	-	-	-	-
	Influenza A/B virus	-	-	-	-	-
	Influenza A virus	-	-	-	-	-
	Influenza B virus	-	-	-	-	-
	Legionella pneumophila	-	-	-	-	-
	Mycoplasma pneumoniae	-	-	-	-	-
	Metapneumovirus	-	-	-	-	-
	Parainfluenza	-	-	-	-	-
	Parainfluenzavirus 1	-	-	-	-	-
	Parainfluenzavirus 2	-	-	-	-	-
	Parainfluenzavirus 3	-	-	-	-	-
	Parainfluenzavirus 4	-	-	-	-	-
	Rhinovirus	-	-	-	-	-
	RSV	-	-	-	-	0 %
	RSV A	-	-	-	-	-
	RSV B	-	-	-	-	-
	SARS-CoV-2	-	-	-	-	-
	Streptococcus pneumoniae	-	-	-	-	-
	Total:	2	2	100 %	7.4 %	92.6 %

Specimen S003 Number of pathogenic findings



■ Negative sample, no pathogens detected
■ Positive sample, 1 pathogen detected
■ Positive sample, 2 pathogens detected

NUMBER OF PATHOGENIC FINDINGS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative sample, no pathogens detected	14	-				-
<input checked="" type="radio"/> Positive sample, 1 pathogen detected	88	-				-
Positive sample, 2 pathogens detected	1	-				-
Total:	103	-	-	-	-	

ADENOVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	100	-				-
Positive	1	-				0 %
Not in test selection	3	-				-
Total:	104	-	-	-	-	0 %

Method	Negative	Positive	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 52	1	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	-	1
GenMark Respiratory Pathogen (RP) Panel	1	-	-	1
GenMark Respiratory Pathogen (RP) Panel 2	5	-	-	5
In house	2	-	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	-	12
Seegene Allplex Respiratory Panel 2	12	-	-	12
Seegene Allplex RV Master Assay	2	-	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	-	1
Total:	100	1	3	104

BORDETELLA PARAPERTUSSIS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	72	-				-
Positive	1	-				0 %
Not in test selection	31	-				-
Total:	104	-	-	-	-	0 %

Method	Negative	Positive	Not in test selection	Total:
BioGX Bordetella Speciation Plus Toxin	2	-	-	2
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 54	1	-	55
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	-	1
Luminex Verigene Respiratory Pathogens Flex Test	1	-	-	1
Seegene Allplex Respiratory Panel 4	12	-	-	12
Seegene Anyplex II RB5	1	-	-	1
Siemens Fast-Track Diagnostics FTD Bordetella	1	-	-	1
Total:	72	1	31	104

BORDETELLA PERTUSSIS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	4	-				0 %
<input checked="" type="radio"/> Positive	87	2	2	100 %	0 %	100 %
Not in test selection	13	-				-
Total:	104	2	2	100 %	4.4 %	95.6 %

Method	Negative	Positive	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	-	1	-	1
BioGX Bordetella Speciation Plus Toxin	-	2	-	2
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	3	<input checked="" type="radio"/> 50	-	53

bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	-	2	-	2
GenMark Respiratory Pathogen (RP) Panel	-	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	-	5	-	5
In house	-	1	-	1
Luminex Verigene Respiratory Pathogens Flex Test	-	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	1	11	-	12
Seegene Allplex Respiratory Panel 4	-	12	-	12
Siemens Fast-Track Diagnostics FTD Bordetella	-	1	-	1
Total:	4	87	13	104

CHLAMYDIA PNEUMONIAE

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	80	-				-
Not in test selection	24	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	3	-	3
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	1	-	1
Seegene Allplex Respiratory Panel 4	12	-	12
Seegene Anyplex II RB5	1	-	1
Siemens Fast-Track Diagnostics FTD Atypical CAP	1	-	1
Total:	80	24	104

CORONAVIRUS (OC43, 229E, NL63, HKU1)

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	94	-				-
Not in test selection	10	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	5	-	5
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 3	10	-	10
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	94	10	104

ENTEROVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	17	-				-
<input checked="" type="radio"/> Not in test selection	87	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
Seegene Allplex Respiratory Panel 2	13	-	13

Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	17	87	104

ENTEROVIRUS/RHINOVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	82	-				-
Not in test selection	22	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	3	-	3
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Total:	82	22	104

INFLUENZA A/B VIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	1	-				-
<input checked="" type="radio"/> Not in test selection	103	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
Total:	1	103	104

INFLUENZA A VIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	102	-				-
Not in test selection	2	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	4	-	4
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 1	10	-	10
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	102	2	104

INFLUENZA B VIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	102	-				-
Not in test selection	2	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
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Abbott Alinity m Resp-4-Plex assay	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	3	-	3
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 1	10	-	10
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	102	2	104

LEGIONELLA PNEUMOPHILA

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	35	-				-
Not in test selection	69	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	5	-	5
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	1	-	1
Qiagen DiagCORE STAT-Dx Respiratory Panel V2	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	11	-	11
Seegene Allplex Respiratory Panel 4	10	-	10
Siemens Fast-Track Diagnostics FTD Atypical CAP	1	-	1
Total:	35	69	104

MYCOPLASMA PNEUMONIAE

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	97	-				-
Not in test selection	7	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel	2	-	2
GenMark Respiratory Pathogen (RP) Panel 2	4	-	4
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 4	12	-	12
Siemens Fast-Track Diagnostics FTD Bacterial pneumoniae CAP	1	-	1
Total:	97	7	104

METAPNEUMOVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	100	-				-
Not in test selection	4	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	100	4	104

PARAINFLUENZA

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	12	-				-
<input checked="" type="radio"/> Not in test selection	92	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	8	-	8
Seegene Allplex RV Master Assay	2	-	2
Total:	12	92	104

PARAINFLUENZAVIRUS 1

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	93	-				-
Not in test selection	11	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 2

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	93	-				-
Not in test selection	11	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 3

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	93	-				-
Not in test selection	11	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 4

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	94	-				-
Not in test selection	10	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	94	10	104

RHINOVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	20	-				-
<input checked="" type="radio"/> Not in test selection	84	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
In house	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 3	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	20	84	104

RSV

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	82	-	-	-	-	-
Positive	1	-	-	-	-	0 %
Not in test selection	21	-	-	-	-	-
Total:	104	-	-	-	-	0 %

Method	Negative	Positive	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	2	-	-	2
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 52	-	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	4	-	-	4
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	-	1
In house	1	1	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	-	12
Seegene Allplex RV Master Assay	2	-	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	-	1
Total:	82	1	21	104

RSV A

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	21	-	-	-	-	-
<input checked="" type="radio"/> Not in test selection	83	-	-	-	-	-
Total:	104	-	-	-	-	-

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 1	10	-	10
Total:	21	83	104

RSV B

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	21	-	-	-	-	-
<input checked="" type="radio"/> Not in test selection	83	-	-	-	-	-
Total:	104	-	-	-	-	-

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 1	10	-	10
Total:	21	83	104

SARS-COV-2

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	90	-				-
Not in test selection	14	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	2	-	2
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 58	-	58
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Fast-track Diagnostics FTD SARS-CoV-2 Assay	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Seegene Allplex SARS-CoV-2 Assay	2	-	2
Seegene Allplex SARS-CoV-2/FluA/FluB/RSV Assay	1	-	1
Total:	90	14	104

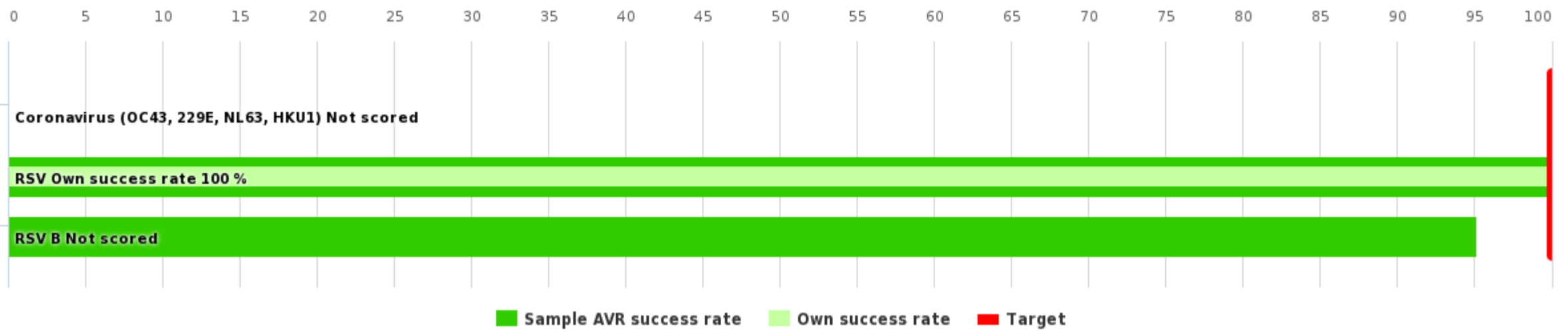
STREPTOCOCCUS PNEUMONIAE

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	23	-				-
<input checked="" type="radio"/> Not in test selection	81	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	7	-	7
Certest VIASURE H. influenzae + S. pneumoniae + M. catarrhalis Real Time PCR Detection Kit	1	-	1
Seegene Allplex Respiratory Panel 4	13	-	13
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	23	81	104

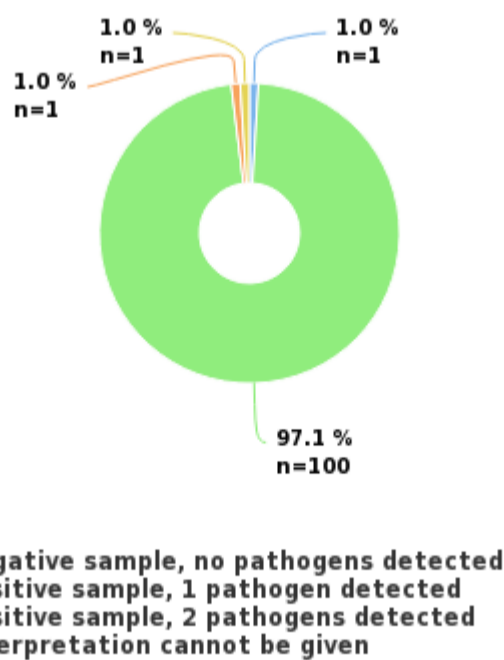
Specimen S004 | RSV B

Specimen S004 success rate



Specimen S004 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate
	Number of pathogenic findings	-	-	-	-	-
	Adenovirus	-	-	-	-	-
	Bordetella parapertussis	-	-	-	-	-
	Bordetella pertussis	-	-	-	-	-
	Chlamydia pneumoniae	-	-	-	-	-
	Coronavirus (OC43, 229E, NL63, HKU1)	-	-	-	-	0 %
	Enterovirus	-	-	-	-	-
	Enterovirus/rhinovirus	-	-	-	-	-
	Influenza A/B virus	-	-	-	-	-
	Influenza A virus	-	-	-	-	-
	Influenza B virus	-	-	-	-	-
	Legionella pneumophila	-	-	-	-	-
	Mycoplasma pneumoniae	-	-	-	-	-
	Metapneumovirus	-	-	-	-	-
	Parainfluenza	-	-	-	-	-
	Parainfluenzavirus 1	-	-	-	-	-
	Parainfluenzavirus 2	-	-	-	-	-
	Parainfluenzavirus 3	-	-	-	-	-
	Parainfluenzavirus 4	-	-	-	-	-
	Rhinovirus	-	-	-	-	-
	RSV	2	2	100 %	0 %	100 %
	RSV A	-	-	-	-	-
	RSV B	-	-	-	-	95.2 %
	SARS-CoV-2	-	-	-	-	-
	Streptococcus pneumoniae	-	-	-	-	-
	Total:	2	2	100 %	1.9 %	98.1 %

Specimen S004 Number of pathogenic findings



NUMBER OF PATHOGENIC FINDINGS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative sample, no pathogens detected	1	-				-
<input checked="" type="radio"/> Positive sample, 1 pathogen detected	100	-				-
Positive sample, 2 pathogens detected	1	-				-
Interpretation cannot be given	1	-				-
Total:	103	-	-	-	-	

ADENOVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	101	-				-
Not in test selection	3	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	5	-	5
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	101	3	104

BORDETELLA PARAPERTUSSIS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	73	-				-
Not in test selection	31	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
BioGX Bordetella Speciation Plus Toxin	2	-	2
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 55	-	55
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 4	12	-	12
Seegene Anyplex II RB5	1	-	1
Siemens Fast-Track Diagnostics FTD Bordetella	1	-	1
Total:	73	31	104

BORDETELLA PERTUSSIS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	91	-				-
Not in test selection	13	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX Bordetella Speciation Plus Toxin	2	-	2
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 53	-	53
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
GenMark Respiratory Pathogen (RP) Panel	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	5	-	5
In house	1	-	1
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1

Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 4	12	-	12
Siemens Fast-Track Diagnostics FTD Bordetella	1	-	1
Total:	91	13	104

CHLAMYDIA PNEUMONIAE

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	80	-	-	-	-	-
Not in test selection	24	-	-	-	-	-
Total:	104	-	-	-	-	-

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	3	-	3
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	1	-	1
Seegene Allplex Respiratory Panel 4	12	-	12
Seegene Anyplex II RB5	1	-	1
Siemens Fast-Track Diagnostics FTD Atypical CAP	1	-	1
Total:	80	24	104

CORONAVIRUS (OC43, 229E, NL63, HKU1)

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	93	-	-	-	-	-
Positive	1	-	-	-	-	0 %
Not in test selection	10	-	-	-	-	-
Total:	104	-	-	-	-	0 %

Method	Negative	Positive	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	5	-	-	5
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 53	-	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	-	1
GenMark Respiratory Pathogen (RP) Panel 2	5	1	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	-	12
Seegene Allplex Respiratory Panel 3	10	-	-	10
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	-	1
Total:	93	1	10	104

ENTEROVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	17	-	-	-	-	-
<input checked="" type="radio"/> Not in test selection	87	-	-	-	-	-
Total:	104	-	-	-	-	-

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
Seegene Allplex Respiratory Panel 2	13	-	13
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	17	87	104

ENTEROVIRUS/RHINOVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	82	-				-
Not in test selection	22	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	3	-	3
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Total:	82	22	104

INFLUENZA A/B VIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	1	-				-
<input checked="" type="radio"/> Not in test selection	103	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
Total:	1	103	104

INFLUENZA A VIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	102	-				-
Not in test selection	2	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	4	-	4
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 1	10	-	10
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	102	2	104

INFLUENZA B VIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	102	-				-
Not in test selection	2	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1

Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	3	-	3
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 1	10	-	10
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	102	2	104

LEGIONELLA PNEUMOPHILA

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	35	-				-
Not in test selection	69	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	5	-	5
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	1	-	1
Qiagen DiagCORE STAT-Dx Respiratory Panel V2	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	11	-	11
Seegene Allplex Respiratory Panel 4	10	-	10
Siemens Fast-Track Diagnostics FTD Atypical CAP	1	-	1
Total:	35	69	104

MYCOPLASMA PNEUMONIAE

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	97	-				-
Not in test selection	7	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel	2	-	2
GenMark Respiratory Pathogen (RP) Panel 2	4	-	4
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 4	12	-	12
Siemens Fast-Track Diagnostics FTD Bacterial pneumoniae CAP	1	-	1
Total:	97	7	104

METAPNEUMOVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
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<input checked="" type="radio"/> Negative	100	-	-	-	-
Not in test selection	4	-	-	-	-
Total:	104	-	-	-	-

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	100	4	104

PARAINFLUENZA

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	12	-	-	-	-	-
<input checked="" type="radio"/> Not in test selection	92	-	-	-	-	-
Total:	104	-	-	-	-	-

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	8	-	8
Seegene Allplex RV Master Assay	2	-	2
Total:	12	92	104

PARAINFLUENZAVIRUS 1

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	93	-	-	-	-	-
Not in test selection	11	-	-	-	-	-
Total:	104	-	-	-	-	-

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 2

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	93	-	-	-	-	-
Not in test selection	11	-	-	-	-	-
Total:	104	-	-	-	-	-

Method	Negative	Not in test selection	Total:
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Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 3

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	93	-				-
Not in test selection	11	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 4

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Negative	94	-				-
Not in test selection	10	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	94	10	104

RHINOVIRUS

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	20	-				-
<input checked="" type="radio"/> Not in test selection	84	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
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Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
In house	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 3	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	20	84	104

RSV

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> Positive	83	2	2	100 %	0 %	100 %
Not in test selection	21	-	-	-	-	-
Total:	104	2	2	100 %	0 %	100 %

Method	Positive	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	2	-	2
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	4	-	4
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
In house	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	83	21	104

RSV A

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	21	-	-	-	-	-
<input checked="" type="radio"/> Not in test selection	83	-	-	-	-	-
Total:	104	-	-	-	-	-

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 1	10	-	10
Total:	21	83	104

RSV B

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	1	-	-	-	-	0 %
Positive	20	-	-	-	-	100 %
<input checked="" type="radio"/> Not in test selection	83	-	-	-	-	-
Total:	104	-	-	-	-	95.2 %

Method	Negative	Positive	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	-	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	-	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	-	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	1	1	-	2
Luminex Verigene Respiratory Pathogens Flex Test	-	1	-	1
Seegene Allplex Respiratory Panel 1	-	10	-	10
Total:	1	20	83	104

SARS-COV-2

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
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<input checked="" type="radio"/> Negative	90	-				-
Not in test selection	14	-				-
Total:	104	-	-	-	-	-

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	2	-	2
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	<input checked="" type="radio"/> 58	-	58
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Fast-track Diagnostics FTD SARS-CoV-2 Assay	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Seegene Allplex SARS-CoV-2 Assay	2	-	2
Seegene Allplex SARS-CoV-2/FluA/FluB/RSV Assay	1	-	1
Total:	90	14	104

STREPTOCOCCUS PNEUMONIAE

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Negative	23	-				-
<input checked="" type="radio"/> Not in test selection	81	-				-
Total:	104	-	-	-	-	

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	7	-	7
Certest VIASURE H. influenzae + S. pneumoniae + M. catarrhalis Real Time PCR Detection Kit	1	-	1
Seegene Allplex Respiratory Panel 4	13	-	13
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	23	81	104

Report Info

PARTICIPANTS

Altogether 110 laboratories from 24 countries participated in this EQA round.

REPORT INFO

The reported results and the scores are presented in the same summary. Sample specific results are shown in the tables as counts. The expected results are indicated in the tables with green colour. The laboratory's own result is shown by a black radio button .

You can view the result distribution of each specimen and pathogen on screen one by one. The tables can be opened and closed by clicking the screen button at the right end of the row. The result tables of pathogens with a negative result expectation and for which no deviating results have been reported are by default closed for clarification of the report.

The participant's own success is shown both as scores and as success rates (%) generated from the score values. They are presented both in the summary and in the sample specific parts of the report. If you have no results you will get a note: "You have not responded in time, only global report is available."

For information on report interpretation and performance evaluation, please see the "EQAS Interpretation guidelines" in LabScala User instructions. In case you have any questions regarding the reports, please contact the EQA Coordinator.

SCORING

The participants are scored according to their test selection. The round is scored based on test results when 60% or more of the participants report the expected result and when at least three results are reported.

In general, only the positive findings are scored for each specimen. It is expected that the pathogens indicated in the sample content are to be identified, whereas other deviating findings will reduce the overall success rate. For those specimens that are negative regarding all pathogens included in the panel of this scheme, the scoring is based on the answer given to the question "number of pathogenic findings" and the expected result would be "Negative sample, no pathogens detected". Answer "No test result" and "Invalid/unclear test result" will be excluded from the scoring.

The scoring range is 0-2 points and the following general rules are followed:

2/2 points is given to results that are correct/accepted regarding the expected result
1/2 point can be given to results that are partly correct/insufficient regarding the expected result
0/2 point is given to results that are incorrect/false regarding the expected result

The performance of the laboratory is assessed by the Own success rate (%). The target is 100%. The examination-specific scores obtained by the laboratory in the round are converted to Own success rate per sample (scores/maximum scores*100). The Laboratory's Own success rate is the average of the sample success rates.

The success rate for the entire round (AVR success rate) is calculated from the total number of scores given to the results per sample (all scores/maximum scores*100). The AVG success rate of the entire round is the average of the sample success rates. The difference in the Laboratory's Own success rate (%) to the corresponding numbers for the entire round is shown in the table.

GLOBAL REPORT

	No of participants	No of responded participants	Response percentage
Respiratory infections multiplex, nucleic acid detection, February, 1-2023	110	103	93.6 %

Summary

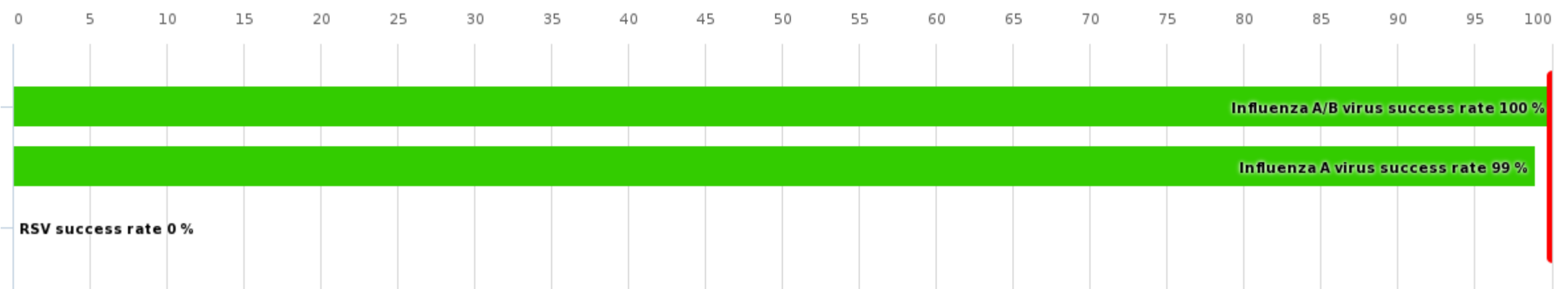
Overall success rate by samples



Summary	AVR success rate
Specimen S001	98.1 %
Specimen S002	98.1 %
Specimen S003	92.6 %
Specimen S004	98.1 %
Average:	96.7 %

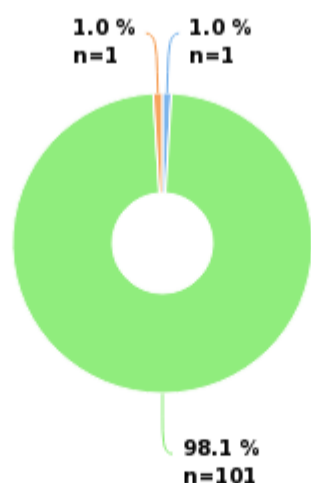
Specimen S001 | Influenza A virus

Specimen S001 success rate



Specimen S001 results	Responded	AVR success rate
	Number of pathogenic findings	-
	Adenovirus	-
	Bordetella parapertussis	-
	Bordetella pertussis	-
	Chlamydia pneumoniae	-
	Coronavirus (OC43, 229E, NL63, HKU1)	-
	Enterovirus	-
	Enterovirus/rhinovirus	-
	Influenza A/B virus	100%
	Influenza A virus	99%
	Influenza B virus	-
	Legionella pneumophila	-
	Mycoplasma pneumoniae	-
	Metapneumovirus	-
	Parainfluenza	-
	Parainfluenzavirus 1	-
	Parainfluenzavirus 2	-
	Parainfluenzavirus 3	-
	Parainfluenzavirus 4	-
	Rhinovirus	-
	RSV	0%
	RSV A	-
	RSV B	-
	SARS-CoV-2	-
	Streptococcus pneumoniae	-
	Total:	98.1%

Specimen S001 Number of pathogenic findings



- Negative sample, no pathogens detected
- Positive sample, 1 pathogen detected
- Positive sample, 2 pathogens detected

NUMBER OF PATHOGENIC FINDINGS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative sample, no pathogens detected	1	-	-
Positive sample, 1 pathogen detected	101	-	-
Positive sample, 2 pathogens detected	1	-	-
Total:	103		

ADENOVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	101	-	-
Not in test selection	3	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	5	-	5
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	101	3	104

BORDETELLA PARAPERTUSSIS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	73	-	-
Not in test selection	31	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
BioGX Bordetella Speciation Plus Toxin	2	-	2
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	55	-	55
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 4	12	-	12
Seegene Anyplex II RB5	1	-	1
Siemens Fast-Track Diagnostics FTD Bordetella	1	-	1
Total:	73	31	104

BORDETELLA PERTUSSIS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	91	-	-
Not in test selection	13	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX Bordetella Speciation Plus Toxin	2	-	2
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
GenMark Respiratory Pathogen (RP) Panel	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	5	-	5
In house	1	-	1
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12

Seegene Allplex Respiratory Panel 4	12	-	12
Siemens Fast-Track Diagnostics FTD Bordetella	1	-	1
Total:	91	13	104

CHLAMYDIA PNEUMONIAE

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	80	-	-
Not in test selection	24	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	3	-	3
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	1	-	1
Seegene Allplex Respiratory Panel 4	12	-	12
Seegene Anyplex II RB5	1	-	1
Siemens Fast-Track Diagnostics FTD Atypical CAP	1	-	1
Total:	80	24	104

CORONAVIRUS (OC43, 229E, NL63, HKU1)

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	94	-	-
Not in test selection	10	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	5	-	5
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 3	10	-	10
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	94	10	104

ENTEROVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	17	-	-
Not in test selection	87	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
Seegene Allplex Respiratory Panel 2	13	-	13
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	17	87	104

ENTEROVIRUS/RHINOVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	82	-	-

Not in test selection	22	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	3	-	3
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Total:	82	22	104

INFLUENZA A/B VIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Positive	1	100 %	2
Not in test selection	103	-	-
Total:	104	100 %	

Method	Positive	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
Total:	1	103	104

INFLUENZA A VIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	1	0 %	0
Positive	101	100 %	2
Not in test selection	2	-	-
Total:	104	99 %	

Method	Negative	Positive	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	-	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	-	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	-	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	-	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	1	51	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	-	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	-	4	-	4
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	-	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	-	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	-	6	-	6
In house	-	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	-	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	-	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	-	12	-	12
Seegene Allplex Respiratory Panel 1	-	10	-	10
Seegene Allplex RV Master Assay	-	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	-	1	-	1
Total:	1	101	2	104

INFLUENZA B VIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	102	-	-
Not in test selection	2	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53

bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	3	-	3
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 1	10	-	10
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	102	2	104

LEGIONELLA PNEUMOPHILA

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	35	-	-
Not in test selection	69	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	5	-	5
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	1	-	1
Qiagen DiagCORE STAT-Dx Respiratory Panel V2	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	11	-	11
Seegene Allplex Respiratory Panel 4	10	-	10
Siemens Fast-Track Diagnostics FTD Atypical CAP	1	-	1
Total:	35	69	104

MYCOPLASMA PNEUMONIAE

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	97	-	-
Not in test selection	7	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel	2	-	2
GenMark Respiratory Pathogen (RP) Panel 2	4	-	4
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 4	12	-	12
Siemens Fast-Track Diagnostics FTD Bacterial pneumoniae CAP	1	-	1
Total:	97	7	104

METAPNEUMOVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	100	-	-
Not in test selection	4	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	100	4	104

PARAINFLUENZA

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	12	-	-
Not in test selection	92	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	8	-	8
Seegene Allplex RV Master Assay	2	-	2
Total:	12	92	104

PARAINFLUENZAVIRUS 1

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	93	-	-
Not in test selection	11	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 2

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	93	-	-
Not in test selection	11	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1

Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 3

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	93	-	-
Not in test selection	11	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 4

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	94	-	-
Not in test selection	10	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	94	10	104

RHINOVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	20	-	-
Not in test selection	84	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
In house	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1

Seegene Allplex Respiratory Panel 3	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	20	84	104

RSV

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	82	-	-
Positive	1	0 %	0
Not in test selection	21	-	-
Total:	104	0 %	

Method	Negative	Positive	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	2	-	-	2
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	51	1	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	4	-	-	4
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	-	1
In house	2	-	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	-	12
Seegene Allplex RV Master Assay	2	-	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	-	1
Total:	82	1	21	104

RSV A

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	21	-	-
Not in test selection	83	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 1	10	-	10
Total:	21	83	104

RSV B

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	21	-	-
Not in test selection	83	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 1	10	-	10
Total:	21	83	104

SARS-COV-2

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	90	-	-
Not in test selection	14	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
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Abbott Alinity m Resp-4-Plex assay	2	-	2
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	58	-	58
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Fast-track Diagnostics FTD SARS-CoV-2 Assay	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Seegene Allplex SARS-CoV-2 Assay	2	-	2
Seegene Allplex SARS-CoV-2/FluA/FluB/RSV Assay	1	-	1
Total:	90	14	104

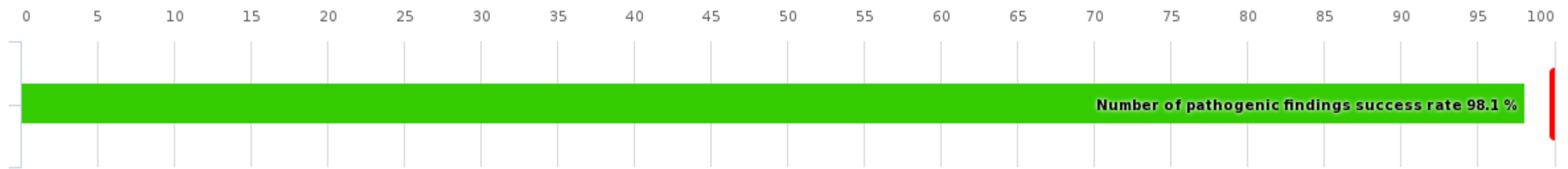
STREPTOCOCCUS PNEUMONIAE

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	23	-	-
Not in test selection	81	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	7	-	7
Certest VIASURE H. influenzae + S. pneumoniae + M. catarrhalis Real Time PCR Detection Kit	1	-	1
Seegene Allplex Respiratory Panel 4	13	-	13
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	23	81	104

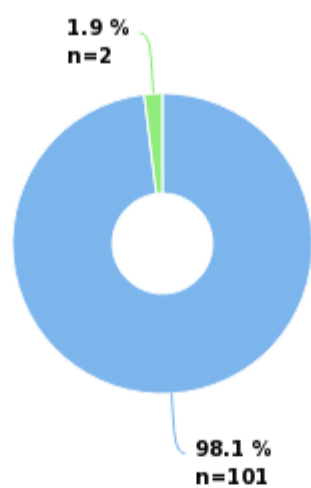
Specimen S002 | Negative

Specimen S002 success rate



Specimen S002 results	Responded	AVR success rate
	Number of pathogenic findings	98.1 %
	Adenovirus	-
	Bordetella parapertussis	-
	Bordetella pertussis	-
	Chlamydia pneumoniae	-
	Coronavirus (OC43, 229E, NL63, HKU1)	-
	Enterovirus	-
	Enterovirus/rhinovirus	-
	Influenza A/B virus	-
	Influenza A virus	-
	Influenza B virus	-
	Legionella pneumophila	-
	Mycoplasma pneumoniae	-
	Metapneumovirus	-
	Parainfluenza	-
	Parainfluenzavirus 1	-
	Parainfluenzavirus 2	-
	Parainfluenzavirus 3	-
	Parainfluenzavirus 4	-
	Rhinovirus	-
	RSV	-
	RSV A	-
	RSV B	-
	SARS-CoV-2	-
	Streptococcus pneumoniae	-
Total:		98.1 %

Specimen S002 Number of pathogenic findings



■ Negative sample, no pathogens detected
■ Positive sample, 1 pathogen detected

NUMBER OF PATHOGENIC FINDINGS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative sample, no pathogens detected	101	100 %	2
Positive sample, 1 pathogen detected	2	0 %	0
Total:	103	98.1 %	

ADENOVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	101	-	-
Not in test selection	3	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	5	-	5
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	101	3	104

BORDETELLA PARAPERTUSSIS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	73	-	-
Not in test selection	31	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
BioGX Bordetella Speciation Plus Toxin	2	-	2
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	55	-	55
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 4	12	-	12
Seegene Anyplex II RB5	1	-	1
Siemens Fast-Track Diagnostics FTD Bordetella	1	-	1
Total:	73	31	104

BORDETELLA PERTUSSIS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	91	-	-
Not in test selection	13	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX Bordetella Speciation Plus Toxin	2	-	2
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
GenMark Respiratory Pathogen (RP) Panel	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	5	-	5
In house	1	-	1
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 4	12	-	12
Siemens Fast-Track Diagnostics FTD Bordetella	1	-	1
Total:	91	13	104

CHLAMYDIA PNEUMONIAE

Interpretation	Interpretation count	AVR success rate	Interpretation Score
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Negative	80	-	-
Not in test selection	24	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	3	-	3
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	1	-	1
Seegene Allplex Respiratory Panel 4	12	-	12
Seegene Anyplex II RB5	1	-	1
Siemens Fast-Track Diagnostics FTD Atypical CAP	1	-	1
Total:	80	24	104

CORONAVIRUS (OC43, 229E, NL63, HKU1)

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	94	-	-
Not in test selection	10	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	5	-	5
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 3	10	-	10
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	94	10	104

ENTEROVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	17	-	-
Not in test selection	87	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
Seegene Allplex Respiratory Panel 2	13	-	13
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	17	87	104

ENTEROVIRUS/RHINOVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	81	-	-
Positive	1	-	-
Not in test selection	22	-	-
Total:	104		

Method	Negative	Positive	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	-	1

bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	51	1	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	3	-	-	3
GenMark Respiratory Pathogen (RP) Panel 2	6	-	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	-	12
Total:	81	1	22	104

INFLUENZA A/B VIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	1	-	-
Not in test selection	103	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
Total:	1	103	104

INFLUENZA A VIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	102	-	-
Not in test selection	2	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	4	-	4
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 1	10	-	10
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	102	2	104

INFLUENZA B VIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	102	-	-
Not in test selection	2	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	3	-	3
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2

Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 1	10	-	10
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	102	2	104

LEGIONELLA PNEUMOPHILA

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	35	-	-
Not in test selection	69	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	5	-	5
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	1	-	1
Qiagen DiagCORE STAT-Dx Respiratory Panel V2	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	11	-	11
Seegene Allplex Respiratory Panel 4	10	-	10
Siemens Fast-Track Diagnostics FTD Atypical CAP	1	-	1
Total:	35	69	104

MYCOPLASMA PNEUMONIAE

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	97	-	-
Not in test selection	7	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel	2	-	2
GenMark Respiratory Pathogen (RP) Panel 2	4	-	4
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 4	12	-	12
Siemens Fast-Track Diagnostics FTD Bacterial pneumoniae CAP	1	-	1
Total:	97	7	104

METAPNEUMOVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	100	-	-
Not in test selection	4	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1

bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	100	4	104

PARAINFLUENZA

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	12	-	-
Not in test selection	92	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	8	-	8
Seegene Allplex RV Master Assay	2	-	2
Total:	12	92	104

PARAINFLUENZAVIRUS 1

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	93	-	-
Not in test selection	11	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 2

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	92	-	-
Positive	1	-	-
Not in test selection	11	-	-
Total:	104		

Method	Negative	Positive	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	1	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	-	6
In house	1	-	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	-	12

Seegene Allplex Respiratory Panel 2	12	-	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	-	1
Total:	92	1	11	104

PARAINFLUENZAVIRUS 3

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	93	-	-
Not in test selection	11	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 4

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	94	-	-
Not in test selection	10	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	94	10	104

RHINOVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	20	-	-
Not in test selection	84	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
In house	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 3	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	20	84	104

RSV

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	83	-	-
Not in test selection	21	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	2	-	2
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	4	-	4
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
In house	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	83	21	104

RSV A

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	21	-	-
Not in test selection	83	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 1	10	-	10
Total:	21	83	104

RSV B

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	21	-	-
Not in test selection	83	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 1	10	-	10
Total:	21	83	104

SARS-COV-2

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	90	-	-
Not in test selection	14	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	2	-	2
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	58	-	58
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Fast-track Diagnostics FTD SARS-CoV-2 Assay	1	-	1

GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Seegene Allplex SARS-CoV-2 Assay	2	-	2
Seegene Allplex SARS-CoV-2/FluA/FluB/RSV Assay	1	-	1
Total:	90	14	104

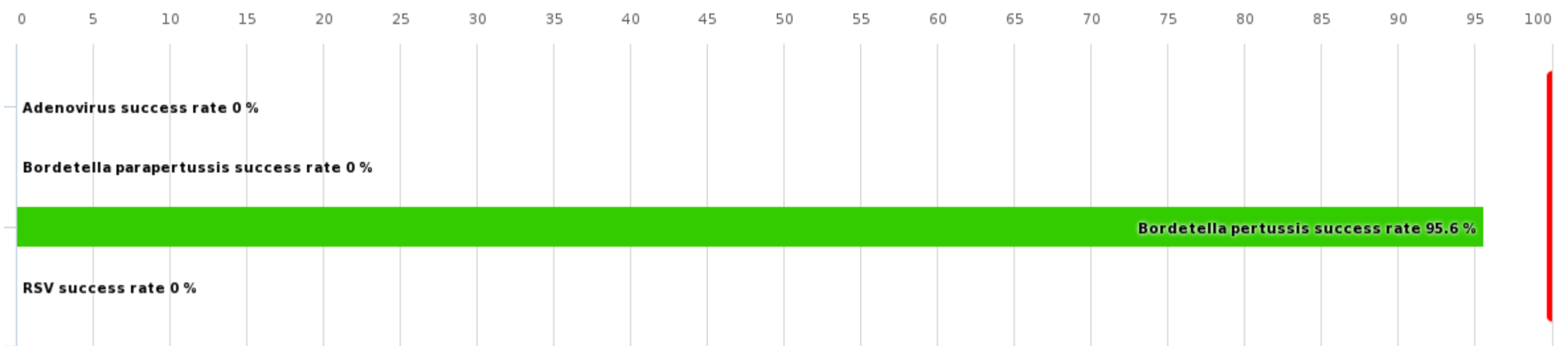
STREPTOCOCCUS PNEUMONIAE

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	23	-	-
Not in test selection	81	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	7	-	7
Certest VIASURE H. influenzae + S. pneumoniae + M. catarrhalis Real Time PCR Detection Kit	1	-	1
Seegene Allplex Respiratory Panel 4	13	-	13
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	23	81	104

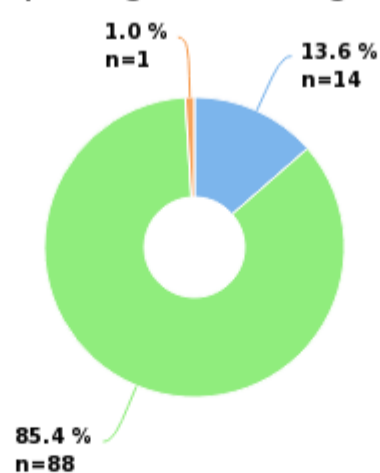
Specimen S003 | Bordetella pertussis

Specimen S003 success rate



Specimen S003 results	Responded	AVR success rate
	Number of pathogenic findings	-
	Adenovirus	0%
	Bordetella parapertussis	0%
	Bordetella pertussis	95.6%
	Chlamydia pneumoniae	-
	Coronavirus (OC43, 229E, NL63, HKU1)	-
	Enterovirus	-
	Enterovirus/rhinovirus	-
	Influenza A/B virus	-
	Influenza A virus	-
	Influenza B virus	-
	Legionella pneumophila	-
	Mycoplasma pneumoniae	-
	Metapneumovirus	-
	Parainfluenza	-
	Parainfluenzavirus 1	-
	Parainfluenzavirus 2	-
	Parainfluenzavirus 3	-
	Parainfluenzavirus 4	-
	Rhinovirus	-
	RSV	0%
	RSV A	-
	RSV B	-
	SARS-CoV-2	-
	Streptococcus pneumoniae	-
	Total:	92.6%

Specimen S003 Number of pathogenic findings



■ Negative sample, no pathogens detected
■ Positive sample, 1 pathogen detected
■ Positive sample, 2 pathogens detected

NUMBER OF PATHOGENIC FINDINGS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative sample, no pathogens detected	14	-	-
Positive sample, 1 pathogen detected	88	-	-
Positive sample, 2 pathogens detected	1	-	-
Total:	103		

ADENOVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	100	-	-
Positive	1	0 %	0
Not in test selection	3	-	-
Total:	104	0 %	

Method	Negative	Positive	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	1	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	-	1
GenMark Respiratory Pathogen (RP) Panel	1	-	-	1
GenMark Respiratory Pathogen (RP) Panel 2	5	-	-	5
In house	2	-	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	-	12
Seegene Allplex Respiratory Panel 2	12	-	-	12
Seegene Allplex RV Master Assay	2	-	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	-	1
Total:	100	1	3	104

BORDETELLA PARAPERTUSSIS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	72	-	-
Positive	1	0 %	0
Not in test selection	31	-	-
Total:	104	0 %	

Method	Negative	Positive	Not in test selection	Total:
BioGX Bordetella Speciation Plus Toxin	2	-	-	2
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	1	-	55
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	-	1
Luminex Verigene Respiratory Pathogens Flex Test	1	-	-	1
Seegene Allplex Respiratory Panel 4	12	-	-	12
Seegene Anyplex II RB5	1	-	-	1
Siemens Fast-Track Diagnostics FTD Bordetella	1	-	-	1
Total:	72	1	31	104

BORDETELLA PERTUSSIS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	4	0 %	0
Positive	87	100 %	2
Not in test selection	13	-	-
Total:	104	95.6 %	

Method	Negative	Positive	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	-	1	-	1
BioGX Bordetella Speciation Plus Toxin	-	2	-	2
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	3	50	-	53
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	-	2	-	2

GenMark Respiratory Pathogen (RP) Panel	-	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	-	5	-	5
In house	-	1	-	1
Luminex Verigene Respiratory Pathogens Flex Test	-	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	1	11	-	12
Seegene Allplex Respiratory Panel 4	-	12	-	12
Siemens Fast-Track Diagnostics FTD Bordetella	-	1	-	1
Total:	4	87	13	104

CHLAMYDIA PNEUMONIAE

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	80	-	-
Not in test selection	24	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	3	-	3
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	1	-	1
Seegene Allplex Respiratory Panel 4	12	-	12
Seegene Anyplex II RB5	1	-	1
Siemens Fast-Track Diagnostics FTD Atypical CAP	1	-	1
Total:	80	24	104

CORONAVIRUS (OC43, 229E, NL63, HKU1)

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	94	-	-
Not in test selection	10	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	5	-	5
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 3	10	-	10
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	94	10	104

ENTEROVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	17	-	-
Not in test selection	87	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
Seegene Allplex Respiratory Panel 2	13	-	13
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	17	87	104

ENTEROVIRUS/RHINOVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	82	-	-
Not in test selection	22	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	3	-	3
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Total:	82	22	104

INFLUENZA A/B VIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	1	-	-
Not in test selection	103	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
Total:	1	103	104

INFLUENZA A VIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	102	-	-
Not in test selection	2	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	4	-	4
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 1	10	-	10
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	102	2	104

INFLUENZA B VIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	102	-	-
Not in test selection	2	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1

Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	3	-	3
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 1	10	-	10
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	102	2	104

LEGIONELLA PNEUMOPHILA

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	35	-	-
Not in test selection	69	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	5	-	5
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	1	-	1
Qiagen DiagCORE STAT-Dx Respiratory Panel V2	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	11	-	11
Seegene Allplex Respiratory Panel 4	10	-	10
Siemens Fast-Track Diagnostics FTD Atypical CAP	1	-	1
Total:	35	69	104

MYCOPLASMA PNEUMONIAE

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	97	-	-
Not in test selection	7	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel	2	-	2
GenMark Respiratory Pathogen (RP) Panel 2	4	-	4
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 4	12	-	12
Siemens Fast-Track Diagnostics FTD Bacterial pneumoniae CAP	1	-	1
Total:	97	7	104

METAPNEUMOVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	100	-	-

Not in test selection	4	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	100	4	104

PARAINFLUENZA

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	12	-	-
Not in test selection	92	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	8	-	8
Seegene Allplex RV Master Assay	2	-	2
Total:	12	92	104

PARAINFLUENZAVIRUS 1

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	93	-	-
Not in test selection	11	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 2

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	93	-	-
Not in test selection	11	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54

bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 3

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	93	-	-
Not in test selection	11	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 4

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	94	-	-
Not in test selection	10	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	94	10	104

RHINOVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	20	-	-
Not in test selection	84	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1

In house	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 3	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	20	84	104

RSV

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	82	-	-
Positive	1	0 %	0
Not in test selection	21	-	-
Total:	104	0 %	

Method	Negative	Positive	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	2	-	-	2
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	4	-	-	4
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	-	1
In house	1	1	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	-	12
Seegene Allplex RV Master Assay	2	-	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	-	1
Total:	82	1	21	104

RSV A

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	21	-	-
Not in test selection	83	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 1	10	-	10
Total:	21	83	104

RSV B

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	21	-	-
Not in test selection	83	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 1	10	-	10
Total:	21	83	104

SARS-COV-2

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	90	-	-
Not in test selection	14	-	-

Total:	104		
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Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	2	-	2
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	58	-	58
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Fast-track Diagnostics FTD SARS-CoV-2 Assay	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Seegene Allplex SARS-CoV-2 Assay	2	-	2
Seegene Allplex SARS-CoV-2/FluA/FluB/RSV Assay	1	-	1
Total:	90	14	104

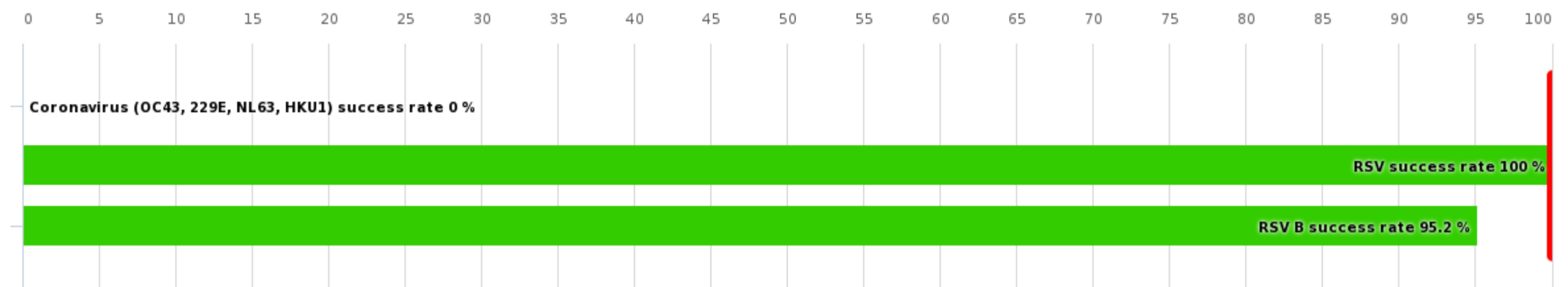
STREPTOCOCCUS PNEUMONIAE

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	23	-	-
Not in test selection	81	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	7	-	7
Certest VIASURE H. influenzae + S. pneumoniae + M. catarrhalis Real Time PCR Detection Kit	1	-	1
Seegene Allplex Respiratory Panel 4	13	-	13
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	23	81	104

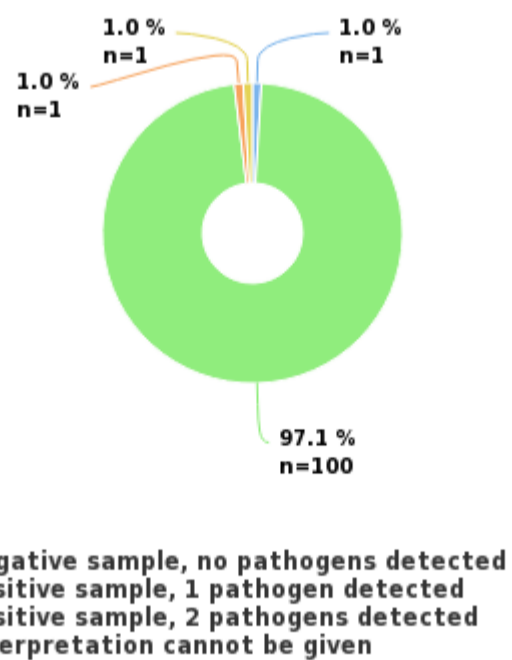
Specimen S004 | RSV B

Specimen S004 success rate



Specimen S004 results	Responded	AVR success rate
	Number of pathogenic findings	-
	Adenovirus	-
	Bordetella parapertussis	-
	Bordetella pertussis	-
	Chlamydia pneumoniae	-
	Coronavirus (OC43, 229E, NL63, HKU1)	0 %
	Enterovirus	-
	Enterovirus/rhinovirus	-
	Influenza A/B virus	-
	Influenza A virus	-
	Influenza B virus	-
	Legionella pneumophila	-
	Mycoplasma pneumoniae	-
	Metapneumovirus	-
	Parainfluenza	-
	Parainfluenzavirus 1	-
	Parainfluenzavirus 2	-
	Parainfluenzavirus 3	-
	Parainfluenzavirus 4	-
	Rhinovirus	-
	RSV	100 %
	RSV A	-
	RSV B	95.2 %
	SARS-CoV-2	-
	Streptococcus pneumoniae	-
	Total:	98.1 %

Specimen S004 Number of pathogenic findings



NUMBER OF PATHOGENIC FINDINGS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative sample, no pathogens detected	1	-	-
Positive sample, 1 pathogen detected	100	-	-
Positive sample, 2 pathogens detected	1	-	-
Interpretation cannot be given	1	-	-
Total:	103		

ADENOVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	101	-	-
Not in test selection	3	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	5	-	5
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	101	3	104

BORDETELLA PARAPERTUSSIS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	73	-	-
Not in test selection	31	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
BioGX Bordetella Speciation Plus Toxin	2	-	2
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	55	-	55
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 4	12	-	12
Seegene Anyplex II RB5	1	-	1
Siemens Fast-Track Diagnostics FTD Bordetella	1	-	1
Total:	73	31	104

BORDETELLA PERTUSSIS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	91	-	-
Not in test selection	13	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX Bordetella Speciation Plus Toxin	2	-	2
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
GenMark Respiratory Pathogen (RP) Panel	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	5	-	5
In house	1	-	1
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1

Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 4	12	-	12
Siemens Fast-Track Diagnostics FTD Bordetella	1	-	1
Total:	91	13	104

CHLAMYDIA PNEUMONIAE

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	80	-	-
Not in test selection	24	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	3	-	3
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	1	-	1
Seegene Allplex Respiratory Panel 4	12	-	12
Seegene Anyplex II RB5	1	-	1
Siemens Fast-Track Diagnostics FTD Atypical CAP	1	-	1
Total:	80	24	104

CORONAVIRUS (OC43, 229E, NL63, HKU1)

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	93	-	-
Positive	1	0 %	0
Not in test selection	10	-	-
Total:	104	0 %	

Method	Negative	Positive	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	5	-	-	5
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	-	1
GenMark Respiratory Pathogen (RP) Panel 2	5	1	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	-	12
Seegene Allplex Respiratory Panel 3	10	-	-	10
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	-	1
Total:	93	1	10	104

ENTEROVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	17	-	-
Not in test selection	87	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
Seegene Allplex Respiratory Panel 2	13	-	13
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	17	87	104

ENTEROVIRUS/RHINOVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	82	-	-
Not in test selection	22	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	3	-	3
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Total:	82	22	104

INFLUENZA A/B VIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	1	-	-
Not in test selection	103	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
Total:	1	103	104

INFLUENZA A VIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	102	-	-
Not in test selection	2	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	4	-	4
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 1	10	-	10
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	102	2	104

INFLUENZA B VIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	102	-	-
Not in test selection	2	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4

bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	53	-	53
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	3	-	3
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 1	10	-	10
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	102	2	104

LEGIONELLA PNEUMOPHILA

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	35	-	-
Not in test selection	69	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	5	-	5
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	1	-	1
Qiagen DiagCORE STAT-Dx Respiratory Panel V2	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	11	-	11
Seegene Allplex Respiratory Panel 4	10	-	10
Siemens Fast-Track Diagnostics FTD Atypical CAP	1	-	1
Total:	35	69	104

MYCOPLASMA PNEUMONIAE

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	97	-	-
Not in test selection	7	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
BioGX M. pneumonia, Legionella spp., C. pneumoniae	2	-	2
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE C. pneumoniae, M. pneumoniae & L. pneumophila Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel	2	-	2
GenMark Respiratory Pathogen (RP) Panel 2	4	-	4
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 4	12	-	12
Siemens Fast-Track Diagnostics FTD Bacterial pneumoniae CAP	1	-	1
Total:	97	7	104

METAPNEUMOVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	100	-	-
Not in test selection	4	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	2	-	2
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	100	4	104

PARAINFLUENZA

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	12	-	-
Not in test selection	92	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	8	-	8
Seegene Allplex RV Master Assay	2	-	2
Total:	12	92	104

PARAINFLUENZAVIRUS 1

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	93	-	-
Not in test selection	11	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 2

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	93	-	-
Not in test selection	11	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1

Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 3

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	93	-	-
Not in test selection	11	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	93	11	104

PARAINFLUENZAVIRUS 4

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	94	-	-
Not in test selection	10	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	54	-	54
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	1	-	1
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex Respiratory Panel 2	12	-	12
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	94	10	104

RHINOVIRUS

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	20	-	-
Not in test selection	84	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
In house	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1

Seegene Allplex Respiratory Panel 3	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	20	84	104

RSV

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Positive	83	100 %	2
Not in test selection	21	-	-
Total:	104	100 %	

Method	Positive	Not in test selection	Total:
Abbott Alinity m Resp-4-Plex assay	2	-	2
Anatolia Geneworks Bosphore Respiratory Pathogens Panel Kit v1	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	4	-	4
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	52	-	52
bioMerieux BIOFIRE Filmarray Respiratory panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory panel 2 plus	4	-	4
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
In house	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	83	21	104

RSV A

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	21	-	-
Not in test selection	83	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	2	-	2
Luminex Verigene Respiratory Pathogens Flex Test	1	-	1
Seegene Allplex Respiratory Panel 1	10	-	10
Total:	21	83	104

RSV B

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	1	0 %	0
Positive	20	100 %	2
Not in test selection	83	-	-
Total:	104	95.2 %	

Method	Negative	Positive	Not in test selection	Total:
AusDiagnostics Respiratory Viruses (16-well)	-	1	-	1
Certest VIASURE Respiratory Panel IV Real Time PCR Detection Kit	-	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	-	6	-	6
Luminex NxTAG Respiratory Pathogen Panel	1	1	-	2
Luminex Verigene Respiratory Pathogens Flex Test	-	1	-	1
Seegene Allplex Respiratory Panel 1	-	10	-	10
Total:	1	20	83	104

SARS-COV-2

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	90	-	-
Not in test selection	14	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
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Abbott Alinity m Resp-4-Plex assay	2	-	2
Anatolia Geneworks Bosphore SARS-CoV-2 / Respiratory Pathogens Panel Kit v1	1	-	1
AusDiagnostics Respiratory Viruses (16-well)	1	-	1
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Respiratory 2.1 plus Panel	58	-	58
Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV	1	-	1
Fast-track Diagnostics FTD SARS-CoV-2 Assay	1	-	1
GenMark Respiratory Pathogen (RP) Panel 2	6	-	6
In house	2	-	2
Qiagen QIAstat-Dx Respiratory SARS-CoV-2 Panel	12	-	12
Seegene Allplex RV Master Assay	2	-	2
Seegene Allplex SARS-CoV-2 Assay	2	-	2
Seegene Allplex SARS-CoV-2/FluA/FluB/RSV Assay	1	-	1
Total:	90	14	104

STREPTOCOCCUS PNEUMONIAE

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Negative	23	-	-
Not in test selection	81	-	-
Total:	104		

Method	Negative	Not in test selection	Total:
Bioeksen Bio-Speedy Respiratory Track RT-qPCR MX-24T Panel	1	-	1
bioMerieux BIOFIRE FilmArray Pneumonia Panel plus	7	-	7
Certest VIASURE H. influenzae + S. pneumoniae + M. catarrhalis Real Time PCR Detection Kit	1	-	1
Seegene Allplex Respiratory Panel 4	13	-	13
Siemens Fast-Track Diagnostics FTD Respiratory pathogens 21 plus	1	-	1
Total:	23	81	104

Report Info

PARTICIPANTS

Altogether 110 laboratories from 24 countries participated in this EQA round.

REPORT INFO

The reported results and the scores are presented in the same summary. Sample specific results are shown in the tables as counts. The expected results are indicated in the tables with green colour. The laboratory's own result is shown by a black radio button .

You can view the result distribution of each specimen and pathogen on screen one by one. The tables can be opened and closed by clicking the screen button at the right end of the row. The result tables of pathogens with a negative result expectation and for which no deviating results have been reported are by default closed for clarification of the report.

The participant's own success is shown both as scores and as success rates (%) generated from the score values. They are presented both in the summary and in the sample specific parts of the report. If you have no results you will get a note: "You have not responded in time, only global report is available."

For information on report interpretation and performance evaluation, please see the "EQAS Interpretation guidelines" in LabScala User instructions. In case you have any questions regarding the reports, please contact the EQA Coordinator.

SCORING

The participants are scored according to their test selection. The round is scored based on test results when 60% or more of the participants report the expected result and when at least three results are reported.

In general, only the positive findings are scored for each specimen. It is expected that the pathogens indicated in the sample content are to be identified, whereas other deviating findings will reduce the overall success rate. For those specimens that are negative regarding all pathogens included in the panel of this scheme, the scoring is based on the answer given to the question "number of pathogenic findings" and the expected result would be "Negative sample, no pathogens detected". Answer "No test result" and "Invalid/unclear test result" will be excluded from the scoring.

The scoring range is 0-2 points and the following general rules are followed:

2/2 points is given to results that are correct/accepted regarding the expected result
1/2 point can be given to results that are partly correct/insufficient regarding the expected result
0/2 point is given to results that are incorrect/false regarding the expected result

The performance of the laboratory is assessed by the Own success rate (%). The target is 100%. The examination-specific scores obtained by the laboratory in the round are converted to Own success rate per sample (scores/maximum scores*100). The Laboratory's Own success rate is the average of the sample success rates.

The success rate for the entire round (AVR success rate) is calculated from the total number of scores given to the results per sample (all scores/maximum scores*100). The AVG success rate of the entire round is the average of the sample success rates. The difference in the Laboratory's Own success rate (%) to the corresponding numbers for the entire round is shown in the table.

External Quality Assessment Scheme

Respiratory infections multiplex, nucleic acid detection Round 1, 2023

Specimens

Samples of this EQA round were artificial nasopharyngeal samples. Based on the quality controls conducted by the sample material manufacturer and the results obtained in the round, the sample lots are to be considered as homogeneous, stable and suitable for external quality assessment. The materials were sent without temperature control packaging.

The expected results and mean of participants' C_t values \pm SD were as follows:

Sample S001 (LQ782523011)

Influenza A virus (H3N2, Hong Kong/2671/2019) positive, C_t 22.21
Reported by clients (n=19): C_t 23.85 \pm 3.14

Sample S002 (LQ782523012)

Negative

Sample S003 (LQ782523013)

Bordetella pertussis (A639) positive C_t 28.50
Reported by clients (n=15): C_t 31.17 \pm 4.31

Sample S004 (LQ782523014)

RSV B positive C_t 27.71
Reported by clients (n=18): C_t 26.87 \pm 2.5

Pre-test methods: In-house and bioMérieux FilmArray Respiratory Panel 2 plus.

Report info

Please see the description of the data analysis on the last page of the laboratory-specific reports and global reports. It is important to read the Final report first, because it contains important information of the samples and results in each round.

Comments – Expert

Completely correct results were reported by 88% of the responders and it corresponds the long-term average. The pathogen specific success rate of sample S003 was good (96%; 87/91), but of the sample specific results, it was the weakest and most interesting. *B. pertussis* was detected with the most popular tests as follows: FilmArray Respiratory 2.1 plus Panel; 50/53 (94%), Allplex Respiratory Panel 4; 12/12 (100%), and QIAstat-Dx Respiratory SARS-CoV-2 Panel; 11/12 (92%). On the other hand, C_t values (n=4) reported for QIAstat were clearly lower (26.63 \pm 1.12) than those of Allplex Respiratory Panel 4 (n=9; 34.20 \pm 2.68). FilmArray C_t values were not obtained. For other pathogens on the round, Allplex produced almost 2 cycles lower C_t values than QIAstat. The sample size is small but demonstrates pathogen specific differences between the tests.

Exceptions in scoring

No exceptions.

End of report

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2023-03-13

FINAL REPORT

Product no. 5300

Samples sent	2023-02-07
Round closed	2023-03-02
Expected results	2023-03-07
Final report	2023-03-13

Request for correction

Typing errors in laboratory's result forms are on laboratory's responsibility. Labquality accepts responsibility only for result processing. Requests must be notified by writing within three weeks from the date of this letter.

Authorized by

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