

Report MQ 2024/4 Microbiology: Molecular diagnostics**Summary**

Sample	Results	Good	% Good
B11 Chlamydia trachomatis/Neisseria gonorrhoe	101	101	100.00
B12 Staphylococcus aureus, MRSA	36	36	100.00
B13 Clostridium difficile	86	86	100.00
B14 Streptococcus Gruppe B	40	40	100.00
B15 Norovirus	68	68	100.00
B16 Influenzavirus/RSV	174	174	100.00
B17 Mycobacterium tuberculosis	27	27	100.00
B18 Gastrointestinall Panel NAT	1108	1098	99.10
B19 Respiratory Panel NAT	978	967	98.88
B23 Meningitis Panel NAT	565	557	98.58
B25 Carba-R	40	40	100.00
B26 Enterovirus	4	4	100.00
B29 VanA/VanB	22	22	100.00
B31 SARS-CoV-2	75	74	98.67
B36 SARS-CoV2+Flu+RSV	184	184	100.00
Total	3508	3478	99.14

B11 Chlamydia trachomatis/Neisseria gonorrhoeae

Chlamydia trachomatis (CT)	Target Value	negative	positive	% Conform
Genexpert	positive	0	31	100.00
Other methods	positive	0	19	100.00
Total		0	50	100.00

Neisseria gonorrhoeae (NG)	Target Value	negative	positive	% Conform
Genexpert	negative	31	0	100.00
Other methods	negative	20	0	100.00
Total		51	0	100.00

B12 Staphylococcus aureus, MRSA

Staphylococcus aureus (SA)	Target Value	negative	positive	% Conform
Genexpert	negative	3	0	100.00

MRSA	Target Value	negative	positive	% Conform
Genexpert	negative	33	0	100.00

B13 Clostridium difficile

Clostridium difficile	Target Value	negative	positive	% Conform
Genexpert	negative	29	0	100.00
Other methods	negative	1	0	100.00
Total		30	0	100.00

Binary Toxin	Target Value	negative	positive	% Conform
Genexpert	negative	28	0	100.00

Ribotype 027	Target Value	negative	positive	% Conform
Genexpert	negative	28	0	100.00

B14 Streptococcus Gruppe B

Streptococcus Gruppe B	Target Value	negative	positive	% Conform
Genexpert	positive	0	38	100.00
Other methods	positive	0	2	100.00
Total		0	40	100.00

B15 Norovirus

Norovirus	Target Value	negative	positive	% Conform
Other methods	negative	1	0	100.00
Genexpert	negative	67	0	100.00
Total		68	0	100.00

B16 Influenzavirus/RSV

Influenza A	Target Value	negative	positive	% Conform
Genexpert	negative	45	0	100.00
Abbott ID NOW	negative	3	0	100.00
cobas Liat	negative	6	0	100.00
Other methods	negative	6	0	100.00
Total		60	0	100.00

Influenza B	Target Value	negative	positive	% Conform
Genexpert	negative	46	0	100.00
Abbott ID NOW	negative	3	0	100.00
cobas Liat	negative	6	0	100.00
Other methods	negative	6	0	100.00
Total		61	0	100.00

RSV	Target Value	negative	positive	% Conform
Genexpert	positive	0	45	100.00
cobas Liat	positive	0	3	100.00
Other methods	positive	0	5	100.00
Total		0	53	100.00

B17 Mycobacterium tuberculosis

Mycobacterium tuberculosis	Target Value	negative	positive	% Conform
Genexpert	negative	20	0	100.00

Rifampicin resistance (RIF)	Target Value	negative	positive	% Conform
Genexpert	negative	7	0	100.00

B18 Gastrointestinal Panel NAT

Adenovirus F40/41	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	1	28	96.55
QIAstat-DX	positive	0	12	100.00
Seegene	positive	0	3	100.00
Total		1	43	97.73

Aeromonas	Target Value	negative	positive	% Conform
Seegene	negative	7	0	100.00

Astrovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	3	0	100.00
Total		44	0	100.00

Blastocystis hominis	Target Value	negative	positive	% Conform
Seegene	negative	8	0	100.00

Campylobacter	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	28	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	10	0	100.00
BD MAX	negative	5	0	100.00
Total		56	0	100.00

Clostridium difficile	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	28	1	96.55
QIAstat-DX	negative	13	0	100.00
Seegene	negative	7	0	100.00
Total		48	1	97.96

Cryptosporidium	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	9	0	100.00
Total		50	0	100.00

Cyclospora cayetanensis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	28	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	9	0	100.00
Total		49	0	100.00

Dientamoeba fragilis	Target Value	negative	positive	% Conform
Seegene	negative	8	0	100.00

E. coli (EAEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	6	1	85.71
Total		47	1	97.92

E. coli (EIEC) / Shigella	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	28	1	96.55
QIAstat-DX	negative	13	0	100.00
Seegene	negative	10	0	100.00
BD MAX	negative	5	0	100.00
Total		56	1	98.25

E. coli (EPEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	2	27	93.10
QIAstat-DX	positive	0	12	100.00
Seegene	positive	2	6	75.00
Total		4	45	91.84

E. coli (ETEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	8	0	100.00
BD MAX	negative	3	0	100.00
Total		52	0	100.00

E. coli (STEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	9	0	100.00
BD MAX	negative	5	0	100.00
Total		56	0	100.00

E. coli O157	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	21	0	100.00
QIAstat-DX	negative	9	0	100.00
Seegene	negative	8	0	100.00
Total		38	0	100.00

Entamoeba histolytica	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	28	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	9	0	100.00
Total		49	0	100.00

Giardia lamblia	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	9	0	100.00
Total		50	0	100.00

Norovirus GI/GII	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	1	29	96.67
QIAstat-DX	positive	0	13	100.00
Total		1	42	97.67

Norovirus GI	Target Value	negative	positive	% Conform
Seegene	negative	3	0	100.00

Norovirus GII	Target Value	negative	positive	% Conform
Seegene	positive	0	3	100.00

Plesiomonas shigelloides	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	12	0	100.00
BD MAX	negative	3	0	100.00
Total		44	0	100.00

Rotavirus A	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	1	96.67
QIAstat-DX	negative	13	0	100.00
Seegene	negative	3	0	100.00
Total		45	1	97.83

Salmonella	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	28	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	10	0	100.00
BD MAX	negative	5	0	100.00
Total		56	0	100.00

Sapovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	3	0	100.00
Total		44	0	100.00

Vibrio	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	28	0	100.00
Seegene	negative	8	0	100.00
BD MAX	negative	3	0	100.00
Total		39	0	100.00

Vibrio cholerae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	28	0	100.00
QIAstat-DX	negative	12	0	100.00
Total		40	0	100.00

Vibrio parahaemolyticus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	12	0	100.00

Vibrio vulnificus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	11	0	100.00

Yersinia enterocolitica	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	28	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	9	0	100.00
BD MAX	negative	3	0	100.00
Total		53	0	100.00

B19 Respiratory Panel NAT

Adenovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	37	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	1	0	100.00
Total		50	0	100.00

Bocavirus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	10	0	100.00

Bordetella parapertussis	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	3	34	91.89
Seegene	positive	0	2	100.00
Total		3	36	92.31

Bordetella pertussis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	2	94.44
QIAstat-DX	negative	12	0	100.00
Seegene	positive	1	1	50.00
MDX liaison DiaSorin	negative	2	0	100.00
Total		49	3	94.23

Chlamydomphila pneumoniae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	37	0	100.00
Seegene	negative	3	0	100.00
Total		40	0	100.00

Coronavirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	4	100.00

Coronavirus 229E	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	12	0	100.00
Total		46	0	100.00

Coronavirus HKU1	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	12	0	100.00
Total		46	0	100.00

Coronavirus NL63	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	12	0	100.00
Total		46	0	100.00

Coronavirus OC43	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	1	33	97.06
QIAstat-DX	positive	0	12	100.00
Total		1	45	97.83

Haemophilus influenzae	Target Value	negative	positive	% Conform
Seegene	negative	1	0	100.00

Influenza A	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	38	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	1	0	100.00
Total		51	0	100.00

Influenza B	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	38	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	1	0	100.00
Total		51	0	100.00

Legionella pneumophila	Target Value	negative	positive	% Conform
QIAstat-DX	negative	10	0	100.00
Seegene	negative	1	0	100.00
Total		11	0	100.00

MERS-CoV	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00

Metapneumovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	37	1	97.37
QIAstat-DX	negative	12	0	100.00
Seegene	negative	1	0	100.00
Total		50	1	98.04

Mycoplasma pneumoniae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	38	0	100.00
QIAstat-DX	negative	11	0	100.00
Seegene	negative	3	0	100.00
Total		52	0	100.00

Parainfluenza	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	4	100.00
Seegene	positive	0	1	100.00
Total		0	5	100.00

Parainfluenza Virus 1	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	1	33	97.06
QIAstat-DX	positive	0	12	100.00
Total		1	45	97.83

Parainfluenza Virus 2	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	12	0	100.00
Total		46	0	100.00

Parainfluenza Virus 3	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	12	0	100.00
Total		46	0	100.00

Parainfluenza Virus 4	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	12	0	100.00
Total		46	0	100.00

Respiratory Syncytial Virus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	38	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	1	0	100.00
Total		51	0	100.00

Rhinovirus/Enterovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	38	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	1	0	100.00
Total		51	0	100.00

SARS-Cov-2	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	2	94.29
QIAstat-DX	negative	11	0	100.00
Seegene	negative	1	0	100.00
Total		45	2	95.74

Chlamydomphila pneumoniae	Target Value	negative	positive	% Conform
QIAstat-DX	negative	7	0	100.00

Streptococcus pneumoniae	Target Value	negative	positive	% Conform
Seegene	negative	1	0	100.00

B23 Meningitis Panel NAT

Cryptococcus neoformans/gattii	Target Value	negative	positive	% Conform
Seegene	negative	1	0	100.00
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	6	0	100.00
Total		36	0	100.00

Cytomegalievirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
Seegene	negative	3	0	100.00
Total		34	0	100.00

Enterovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	28	1	96.55
QIAstat-DX	negative	8	0	100.00
Seegene	negative	2	0	100.00
Total		38	1	97.44

Epstein-Barr Virus	Target Value	negative	positive	% Conform
Seegene	negative	1	0	100.00

Escherichia coli K1	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	2	28	93.33
QIAstat-DX	positive	0	6	100.00
Seegene	positive	0	1	100.00
Total		2	35	94.59

Haemophilus influenzae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	6	0	100.00
Seegene	negative	1	0	100.00
Total		37	0	100.00

Herpes-simplex-Virus 1	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	2	29	93.55
QIAstat-DX	positive	0	8	100.00
Seegene	positive	0	4	100.00
MDX liaison DiaSorin	positive	0	4	100.00
other methods NAT	positive	0	3	100.00
Total		2	48	96.00

Herpes-simplex-Virus 2	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	1	96.77
QIAstat-DX	negative	8	0	100.00
Seegene	negative	4	0	100.00
MDX liaison DiaSorin	negative	4	0	100.00
other methods NAT	negative	3	0	100.00
Total		49	1	98.00

Human herpesvirus 6 (HHV-6)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	7	0	100.00
Seegene	negative	2	0	100.00
Total		38	0	100.00

Listeria monocytogenes	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	6	0	100.00
Seegene	negative	1	0	100.00
Total		37	0	100.00

Mycoplasma pneumoniae	Target Value	negative	positive	% Conform
QIAstat-DX	negative	5	0	100.00

Neisseria meningitidis	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	1	29	96.67
QIAstat-DX	positive	0	6	100.00
Seegene	positive	0	1	100.00
Total		1	36	97.30

Parechovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	6	0	100.00
Seegene	negative	2	0	100.00
Total		37	0	100.00

Streptococcus agalactiae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	1	96.67
QIAstat-DX	negative	6	0	100.00
Seegene	negative	1	0	100.00
Total		36	1	97.30

Streptococcus pneumoniae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	6	0	100.00
Seegene	negative	1	0	100.00
Total		37	0	100.00

Streptococcus pyogenes	Target Value	negative	positive	% Conform
QIAstat-DX	negative	6	0	100.00

Varizella-Zoster-Virus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	8	0	100.00
Seegene	negative	3	0	100.00
MDX liaison DiaSorin	negative	3	0	100.00
other methods NAT	negative	3	0	100.00
Total		47	0	100.00

B25 Carba-R

Carba-R (IMP1)	Target Value	negative	positive	% Conform
Genexpert	negative	8	0	100.00

Carba-R (VIM)	Target Value	negative	positive	% Conform
Genexpert	negative	8	0	100.00

Carba-R (NDM)	Target Value	negative	positive	% Conform
Genexpert	positive	0	8	100.00

Carba-R (KPC)	Target Value	negative	positive	% Conform
Genexpert	negative	8	0	100.00

Carba-R (OXA48)	Target Value	negative	positive	% Conform
Genexpert	negative	8	0	100.00

B26 Enterovirus

Enterovirus (Xpert)	Target Value	negative	positive	% Conform
Genexpert	negative	4	0	100.00

B29 VanA/VanB

VRE Van A	Target Value	negative	positive	% Conform
Genexpert	negative	11	0	100.00

VRE Van B	Target Value	negative	positive	% Conform
Genexpert	positive	0	11	100.00

B31 SARS-CoV-2

SARS-CoV-2	Target Value	negative	positive	% Conform
Genexpert	positive	0	47	100.00
MDX liaison DiaSorin	positive	0	8	100.00
cobas Liat	positive	0	5	100.00
Other methods	positive	1	14	93.33
Total		1	74	98.67

B36 SARS-CoV2+Flu+RSV

SARS CoV-2	Target Value	negative	positive	% Conform
Genexpert	positive	0	38	100.00
Other methods	positive	0	11	100.00
Total		0	49	100.00

Influenza A	Target Value	negative	positive	% Conform
Genexpert	negative	36	0	100.00
Other methods	negative	10	0	100.00
Total		46	0	100.00

Influenza B	Target Value	negative	positive	% Conform
Genexpert	negative	35	0	100.00
Other methods	negative	11	0	100.00
Total		46	0	100.00

RSV	Target Value	negative	positive	% Conform
Genexpert	positive	0	35	100.00
Other methods	positive	0	8	100.00
Total		0	43	100.00