

Report MQ 2024/1 Microbiology: Molecular diagnostics**Summary**

Sample	Results	Good	% Good
B11 Chlamydia trachomatis/Neisseria gonorrhoe	105	105	100.00
B12 Staphylococcus aureus, MRSA	38	38	100.00
B13 Clostridium difficile	89	89	100.00
B14 Streptococcus Gruppe B	40	40	100.00
B15 Norovirus	69	69	100.00
B16 Influenzavirus/RSV	185	185	100.00
B17 Mycobacterium tuberculosis	20	20	100.00
B18 Gastrointestinall Panel NAT	1054	1029	97.63
B19 Respiratory Panel NAT	938	935	99.68
B23 Meningitis Panel NAT	513	512	99.81
B25 Carba-R	40	40	100.00
B26 Enterovirus	6	6	100.00
B29 VanA/VanB	20	20	100.00
B31 SARS-CoV-2	89	89	100.00
B36 SARS-CoV2+Flu+RSV	196	195	99.49
Total	3402	3372	99.12

B11 Chlamydia trachomatis/Neisseria gonorrhoeae

Chlamydia trachomatis (CT)	Target Value	negative	positive	% Conform
Genexpert	positive	0	32	100.00
Other methods	positive	0	20	100.00
Total		0	52	100.00

Neisseria gonorrhoeae (NG)	Target Value	negative	positive	% Conform
Genexpert	positive	0	32	100.00
Other methods	positive	0	21	100.00
Total		0	53	100.00

B12 Staphylococcus aureus, MRSA

Staphylococcus aureus (SA)	Target Value	negative	positive	% Conform
Genexpert	positive	0	4	100.00

MRSA	Target Value	negative	positive	% Conform
Genexpert	positive	0	34	100.00

B13 Clostridium difficile

Clostridium difficile	Target Value	negative	positive	% Conform
Genexpert	positive	0	30	100.00
Other methods	positive	0	3	100.00
Total		0	33	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	39	100.00
Other methods	positive	0	1	100.00
Total		0	40	100.00

B15 Norovirus

Norovirus	Target Value	negative	positive	% Conform
Other methods	negative	1	0	100.00
Genexpert	negative	68	0	100.00
Total		69	0	100.00

B16 Influenzavirus/RSV

Influenza A	Target Value	negative	positive	% Conform
Genexpert	negative	49	0	100.00
Abbott ID NOW	negative	3	0	100.00
cobas Liat	negative	6	0	100.00
Other methods	negative	5	0	100.00
Total		63	0	100.00

Influenza B	Target Value	negative	positive	% Conform
Genexpert	positive	0	50	100.00
Abbott ID NOW	positive	0	3	100.00
cobas Liat	positive	0	6	100.00
Other methods	positive	0	5	100.00
Total		0	64	100.00

RSV	Target Value	negative	positive	% Conform
Genexpert	negative	49	0	100.00
cobas Liat	negative	5	0	100.00
Other methods	negative	4	0	100.00
Total		58	0	100.00

B17 Mycobacterium tuberculosis

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

B18 Gastrointestinal Panel NAT

Campylobacter	Target Value	negative	positive	% Conform
Seegene	negative	9	0	100.00
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	10	0	100.00
BD MAX	negative	4	0	100.00
Total		54	0	100.00

Clostridium difficile	Target Value	negative	positive	% Conform
Seegene	negative	7	0	100.00
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	10	0	100.00
Total		48	0	100.00

Plesiomonas shigelloides	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	31	100.00
QIAstat-DX	positive	0	9	100.00
BD MAX	positive	0	2	100.00
Total		0	42	100.00

Salmonella	Target Value	negative	positive	% Conform
Seegene	negative	9	0	100.00
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	10	0	100.00
BD MAX	negative	4	0	100.00
Total		54	0	100.00

Vibrio	Target Value	negative	positive	% Conform
Seegene	negative	7	0	100.00
Biofire/Filmarray	negative	31	0	100.00
BD MAX	negative	2	0	100.00
Total		40	0	100.00

Vibrio cholerae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	9	0	100.00
Total		39	0	100.00

Yersinia enterocolitica	Target Value	negative	positive	% Conform
Seegene	positive	4	4	50.00
Biofire/Filmarray	positive	8	23	74.19
QIAstat-DX	positive	6	4	40.00
BD MAX	positive	1	1	50.00
Total		19	32	62.75

E. coli (EAEC)	Target Value	negative	positive	% Conform
Seegene	negative	5	0	100.00
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	9	0	100.00
Total		45	0	100.00

E. coli (EPEC)	Target Value	negative	positive	% Conform
Seegene	negative	7	0	100.00
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	8	0	100.00
Total		45	0	100.00

E. coli (ETEC)	Target Value	negative	positive	% Conform
Seegene	negative	7	0	100.00
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	9	0	100.00
BD MAX	negative	2	0	100.00
Total		50	0	100.00

E. coli (STEC)	Target Value	negative	positive	% Conform
Seegene	negative	8	0	100.00
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	10	0	100.00
BD MAX	negative	4	0	100.00
Total		54	0	100.00

E. coli O157	Target Value	negative	positive	% Conform
Seegene	negative	7	0	100.00
Biofire/Filmarray	negative	25	0	100.00
QIAstat-DX	negative	6	0	100.00
Total		38	0	100.00

E. coli (EIEC) / Shigella	Target Value	negative	positive	% Conform
Seegene	negative	9	0	100.00
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	10	0	100.00
BD MAX	negative	4	0	100.00
Total		55	0	100.00

Cryptosporidium	Target Value	negative	positive	% Conform
Seegene	negative	8	0	100.00
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	9	0	100.00
Total		48	0	100.00

Cyclospora cayetanensis	Target Value	negative	positive	% Conform
Seegene	negative	8	0	100.00
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	9	0	100.00
Total		47	0	100.00

Entamoeba histolytica	Target Value	negative	positive	% Conform
Seegene	positive	3	5	62.50
Biofire/Filmarray	positive	2	29	93.55
QIAstat-DX	positive	1	8	88.89
Total		6	42	87.50

Giardia lamblia	Target Value	negative	positive	% Conform
Seegene	negative	8	0	100.00
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	9	0	100.00
Total		48	0	100.00

Adenovirus F40/41	Target Value	negative	positive	% Conform
Seegene	negative	2	0	100.00
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	9	0	100.00
Total		42	0	100.00

Astrovirus	Target Value	negative	positive	% Conform
Seegene	negative	2	0	100.00
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	9	0	100.00
Total		42	0	100.00

Norovirus GI/GII	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	10	0	100.00
Total		42	0	100.00

Rotavirus A	Target Value	negative	positive	% Conform
Seegene	negative	2	0	100.00
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	10	0	100.00
Total		44	0	100.00

Aeromonas	Target Value	negative	positive	% Conform
Seegene	negative	5	0	100.00

Sapovirus	Target Value	negative	positive	% Conform
Seegene	negative	2	0	100.00
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	9	0	100.00
Total		42	0	100.00

Blastocystis hominis	Target Value	negative	positive	% Conform
Seegene	negative	6	0	100.00

Vibrio parahaemolyticus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	7	0	100.00

Dientamoeba fragilis	Target Value	negative	positive	% Conform
Seegene	negative	6	0	100.00

Vibrio vulnificus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	8	0	100.00

Norovirus GI	Target Value	negative	positive	% Conform
Seegene	negative	2	0	100.00

Norovirus GII	Target Value	negative	positive	% Conform
Seegene	negative	2	0	100.00

B19 Respiratory Panel NAT

Adenovirus	Target Value	negative	positive	% Conform
Seegene	positive	0	2	100.00
Biofire/Filmarray	positive	0	35	100.00
QIAstat-DX	positive	0	11	100.00
Total		0	48	100.00

Bocavirus	Target Value	negative	positive	% Conform
Seegene	negative	1	0	100.00
QIAstat-DX	negative	9	0	100.00
Total		10	0	100.00

Coronavirus 229E	Target Value	negative	positive	% Conform
Seegene	negative	1	0	100.00
Biofire/Filmarray	negative	31	1	96.88
QIAstat-DX	negative	11	0	100.00
Total		43	1	97.73

Coronavirus HKU1	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	12	0	100.00
Total		44	0	100.00

Coronavirus NL63	Target Value	negative	positive	% Conform
Seegene	negative	1	0	100.00
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	11	0	100.00
Total		44	0	100.00

Coronavirus OC43	Target Value	negative	positive	% Conform
Seegene	negative	1	0	100.00
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	11	0	100.00
Total		44	0	100.00

MERS-CoV	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00

SARS-Cov-2	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
Seegene	negative	1	0	100.00
QIAstat-DX	negative	11	0	100.00
Total		46	0	100.00

Metapneumovirus	Target Value	negative	positive	% Conform
Seegene	negative	2	0	100.00
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	11	0	100.00
Total		49	0	100.00

Rhinovirus/Enterovirus	Target Value	negative	positive	% Conform
Seegene	negative	2	0	100.00
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	11	0	100.00
Total		49	0	100.00

Influenza A	Target Value	negative	positive	% Conform
Seegene	negative	2	0	100.00
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	11	0	100.00
Total		49	0	100.00

Influenza B	Target Value	negative	positive	% Conform
Seegene	positive	0	2	100.00
Biofire/Filmarray	positive	0	36	100.00
QIAstat-DX	positive	1	10	90.91
Total		1	48	97.96

Parainfluenza Virus 1	Target Value	negative	positive	% Conform
Seegene	negative	2	0	100.00
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	11	0	100.00
Total		45	0	100.00

Parainfluenza Virus 2	Target Value	negative	positive	% Conform
Seegene	negative	2	0	100.00
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	11	0	100.00
Total		45	0	100.00

Parainfluenza Virus 3	Target Value	negative	positive	% Conform
Seegene	negative	2	0	100.00
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	11	0	100.00
Total		45	0	100.00

Parainfluenza Virus 4	Target Value	negative	positive	% Conform
Seegene	positive	1	1	50.00
Biofire/Filmarray	positive	0	32	100.00
QIAstat-DX	positive	0	11	100.00
Total		1	44	97.78

Respiratory Syncytial Virus	Target Value	negative	positive	% Conform
Seegene	negative	2	0	100.00
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	11	0	100.00
Total		49	0	100.00

Bordetella parapertussis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	35	0	100.00

Bordetella pertussis	Target Value	negative	positive	% Conform
Seegene	negative	1	0	100.00
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	11	0	100.00
MDX liaison DiaSorin	negative	2	0	100.00
Total		48	0	100.00

Legionella pneumophila	Target Value	negative	positive	% Conform
Seegene	negative	1	0	100.00
QIAstat-DX	negative	9	0	100.00
Total		10	0	100.00

Chlamydophila pneumoniae	Target Value	negative	positive	% Conform
Seegene	negative	3	0	100.00
Biofire/Filmarray	negative	36	0	100.00
Total		39	0	100.00

Mycoplasma pneumoniae	Target Value	negative	positive	% Conform
Seegene	negative	3	0	100.00
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	11	0	100.00
Total		50	0	100.00

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

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

Chlamydophila 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

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

B23 Meningitis Panel NAT

Escherichia coli K1	Target Value	negative	positive	% Conform
QIAstat-DX	negative	6	0	100.00
Biofire/Filmarray	negative	27	0	100.00
Total		33	0	100.00

Haemophilus influenzae	Target Value	negative	positive	% Conform
QIAstat-DX	positive	0	6	100.00
Seegene	positive	0	1	100.00
Biofire/Filmarray	positive	0	27	100.00
Total		0	34	100.00

Listeria monocytogenes	Target Value	negative	positive	% Conform
QIAstat-DX	negative	6	0	100.00
Seegene	negative	1	0	100.00
Biofire/Filmarray	negative	27	0	100.00
Total		34	0	100.00

Neisseria meningitidis	Target Value	negative	positive	% Conform
QIAstat-DX	negative	6	0	100.00
Seegene	negative	1	0	100.00
Biofire/Filmarray	negative	27	0	100.00
Total		34	0	100.00

Streptococcus agalactiae	Target Value	negative	positive	% Conform
QIAstat-DX	negative	6	0	100.00
Biofire/Filmarray	negative	27	0	100.00
Total		33	0	100.00

Streptococcus pneumoniae	Target Value	negative	positive	% Conform
QIAstat-DX	negative	6	0	100.00
Seegene	negative	1	0	100.00
Biofire/Filmarray	negative	27	0	100.00
Total		34	0	100.00

Zytomegalievirus	Target Value	negative	positive	% Conform
Seegene	negative	3	0	100.00
Biofire/Filmarray	negative	28	0	100.00
Total		31	0	100.00

Enterovirus	Target Value	negative	positive	% Conform
QIAstat-DX	positive	0	7	100.00
Seegene	positive	0	2	100.00
Biofire/Filmarray	positive	1	26	96.30
Total		1	35	97.22

Herpes-simplex-Virus 1	Target Value	negative	positive	% Conform
QIAstat-DX	negative	8	0	100.00
Seegene	negative	3	0	100.00
Biofire/Filmarray	negative	28	0	100.00
MDX liaison DiaSorin	negative	6	0	100.00
other methods NAT	negative	1	0	100.00
Total		46	0	100.00

Herpes-simplex-Virus 2	Target Value	negative	positive	% Conform
QIAstat-DX	negative	8	0	100.00
Seegene	negative	3	0	100.00
Biofire/Filmarray	negative	28	0	100.00
MDX liaison DiaSorin	negative	6	0	100.00
other methods NAT	negative	1	0	100.00
Total		46	0	100.00

Human herpesvirus 6 (HHV-6)	Target Value	negative	positive	% Conform
QIAstat-DX	positive	0	7	100.00
Seegene	positive	0	2	100.00
Biofire/Filmarray	positive	0	26	100.00
Total		0	35	100.00

Parechovirus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	6	0	100.00
Seegene	negative	2	0	100.00
Biofire/Filmarray	negative	26	0	100.00
Total		34	0	100.00

Varizella-Zoster-Virus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	8	0	100.00
Seegene	negative	3	0	100.00
Biofire/Filmarray	negative	27	0	100.00
MDX liaison DiaSorin	negative	4	0	100.00
other methods NAT	negative	2	0	100.00
Total		44	0	100.00

Cryptococcus neoformans/gattii	Target Value	negative	positive	% Conform
QIAstat-DX	negative	6	0	100.00
Biofire/Filmarray	negative	25	0	100.00
Total		31	0	100.00

Streptococcus pyogenes	Target Value	negative	positive	% Conform
QIAstat-DX	negative	5	0	100.00

Mycoplasma pneumoniae	Target Value	negative	positive	% Conform
QIAstat-DX	negative	3	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	negative	8	0	100.00

Carba-R (KPC)	Target Value	negative	positive	% Conform
Genexpert	positive	0	8	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	positive	0	6	100.00

B29 VanA/VanB

VRE Van A	Target Value	negative	positive	% Conform
Genexpert	negative	10	0	100.00

VRE Van B	Target Value	negative	positive	% Conform
Genexpert	positive	0	10	100.00

B31 SARS-CoV-2

SARS-CoV-2	Target Value	negative	positive	% Conform
Genexpert	positive	0	53	100.00
BD MAX	positive	0	2	100.00
MDX liaison DiaSorin	positive	0	9	100.00
cobas Liat	positive	0	8	100.00
Other methods	positive	0	17	100.00
Total		0	89	100.00

B36 SARS-CoV2+Flu+RSV

SARS CoV-2	Target Value	negative	positive	% Conform
Genexpert	positive	0	39	100.00
Other methods	positive	0	14	100.00
Total		0	53	100.00

Influenza A	Target Value	negative	positive	% Conform
Genexpert	negative	36	0	100.00
Other methods	negative	13	0	100.00
Total		49	0	100.00

Influenza B	Target Value	negative	positive	% Conform
Genexpert	positive	0	35	100.00
Other methods	positive	0	14	100.00
Total		0	49	100.00

RSV	Target Value	negative	positive	% Conform
Genexpert	negative	35	0	100.00
Other methods	negative	9	1	90.00
Total		44	1	97.78