

Report MQ 2024/2 Microbiology: Molecular diagnostics**Summary**

Sample	Results	Good	% Good
B11 Chlamydia trachomatis/Neisseria gonorrhoe	105	105	100.00
B12 Staphylococcus aureus, MRSA	37	37	100.00
B13 Clostridium difficile	87	84	96.55
B14 Streptococcus Gruppe B	39	38	97.44
B15 Norovirus	68	68	100.00
B16 Influenzavirus/RSV	174	174	100.00
B17 Mycobacterium tuberculosis	19	19	100.00
B18 Gastrointestinal Panel NAT	1081	1080	99.91
B19 Respiratory Panel NAT	952	950	99.79
B23 Meningitis Panel NAT	533	533	100.00
B25 Carba-R	40	40	100.00
B26 Enterovirus	5	5	100.00
B29 VanA/VanB	20	20	100.00
B31 SARS-CoV-2	80	80	100.00
B36 SARS-CoV2+Flu+RSV	185	185	100.00
Total	3425	3418	99.80

B11 Chlamydia trachomatis/Neisseria gonorrhoeae

Chlamydia trachomatis (CT)	Target Value	negative	positive	% Conform
Genexpert	negative	33	0	100.00
Other methods	negative	19	0	100.00
Total		52	0	100.00

Neisseria gonorrhoeae (NG)	Target Value	negative	positive	% Conform
Genexpert	positive	0	33	100.00
Other methods	positive	0	20	100.00
Total		0	53	100.00

B12 Staphylococcus aureus, MRSA

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

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

B13 Clostridium difficile

Clostridium difficile	Target Value	negative	positive	% Conform
Genexpert	positive	1	29	96.67
Other methods	positive	0	2	100.00
Total		1	31	96.88

Binary Toxin	Target Value	negative	positive	% Conform
Genexpert	positive	1	26	96.30

ribotype 027	Target Value	negative	positive	% Conform
Genexpert	positive	1	27	96.43

B14 Streptococcus Gruppe B

Streptococcus Gruppe B	Target Value	negative	positive	% Conform
Genexpert	positive	1	37	97.37
Other methods	positive	0	1	100.00
Total		1	38	97.44

B15 Norovirus

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

B16 Influenzavirus/RSV

Influenza A	Target Value	negative	positive	% Conform
Genexpert	negative	47	0	100.00
Abbott ID NOW	negative	3	0	100.00
cobas Liat	negative	4	0	100.00
Other methods	negative	5	0	100.00
Total		59	0	100.00

Influenza B	Target Value	negative	positive	% Conform
Genexpert	negative	48	0	100.00
Abbott ID NOW	negative	3	0	100.00
cobas Liat	negative	4	0	100.00
Other methods	negative	5	0	100.00
Total		60	0	100.00

RSV	Target Value	negative	positive	% Conform
Genexpert	negative	47	0	100.00
cobas Liat	negative	3	0	100.00
Other methods	negative	5	0	100.00
Total		55	0	100.00

B17 Mycobacterium tuberculosis

Mycobacterium tuberculosis	Target Value	negative	positive	% Conform
Genexpert	positive	0	19	100.00

B18 Gastrointestinal Panel NAT

Campylobacter	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	30	100.00
QIAstat-DX	positive	0	11	100.00
Seegene	positive	0	10	100.00
BD MAX	positive	0	4	100.00
Total		0	55	100.00

Clostridium difficile	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	11	0	100.00
Seegene	negative	7	0	100.00
Total		48	0	100.00

Plesiomonas shigelloides	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	10	0	100.00
BD MAX	negative	2	0	100.00
Total		43	0	100.00

Salmonella	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	11	0	100.00
Seegene	negative	10	0	100.00
BD MAX	negative	4	0	100.00
Total		55	0	100.00

Vibrio	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	30	100.00
Seegene	positive	0	8	100.00
BD MAX	positive	0	2	100.00
Total		0	40	100.00

Vibrio cholerae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	10	0	100.00
Total		40	0	100.00

Yersinia enterocolitica	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	11	0	100.00
Seegene	negative	9	0	100.00
BD MAX	negative	2	0	100.00
Total		52	0	100.00

E. coli (EAEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	30	100.00
QIAstat-DX	positive	0	10	100.00
Seegene	positive	1	6	85.71
Total		1	46	97.87

E. coli (EPEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	9	0	100.00
Seegene	negative	8	0	100.00
Total		46	0	100.00

E. coli (ETEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	10	0	100.00
Seegene	negative	8	0	100.00
BD MAX	negative	2	0	100.00
Total		51	0	100.00

E. coli (STEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	11	0	100.00
Seegene	negative	9	0	100.00
BD MAX	negative	4	0	100.00
Total		55	0	100.00

E. coli O157	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	23	0	100.00
QIAstat-DX	negative	6	0	100.00
Seegene	negative	9	0	100.00
Total		38	0	100.00

E. coli (EIEC) / Shigella	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	11	0	100.00
Seegene	negative	10	0	100.00
BD MAX	negative	4	0	100.00
Total		56	0	100.00

Cryptosporidium	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	10	0	100.00
Seegene	negative	9	0	100.00
Total		49	0	100.00

Cyclospora cayetanensis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	10	0	100.00
Seegene	negative	9	0	100.00
Total		48	0	100.00

Entamoeba histolytica	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	10	0	100.00
Seegene	negative	9	0	100.00
Total		48	0	100.00

Giardia lamblia	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	10	0	100.00
Seegene	negative	9	0	100.00
Total		49	0	100.00

Adenovirus F40/41	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	10	0	100.00
Seegene	negative	3	0	100.00
Total		43	0	100.00

Astrovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	10	0	100.00
Seegene	negative	3	0	100.00
Total		43	0	100.00

Norovirus GI/GII	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	11	0	100.00
Total		42	0	100.00

Rotavirus A	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	11	0	100.00
Seegene	negative	3	0	100.00
Total		45	0	100.00

Aeromonas	Target Value	negative	positive	% Conform
Seegene	negative	6	0	100.00

Sapovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	10	0	100.00
Seegene	negative	3	0	100.00
Total		43	0	100.00

Blastocystis hominis	Target Value	negative	positive	% Conform
Seegene	negative	7	0	100.00

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

Dientamoeba fragilis	Target Value	negative	positive	% Conform
Seegene	negative	7	0	100.00

Vibrio vulnificus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	9	0	100.00

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

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

B19 Respiratory Panel NAT

Adenovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	35	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	1	0	100.00
Total		48	0	100.00

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

Coronavirus 229E	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	33	100.00
QIAstat-DX	positive	0	12	100.00
Seegene	positive	0	1	100.00
Total		0	46	100.00

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
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	1	0	100.00
Total		45	0	100.00

Coronavirus OC43	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	1	0	100.00
Total		45	0	100.00

MERS-CoV	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	35	0	100.00

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

Metapneumovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	1	0	100.00
Total		49	0	100.00

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

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

Influenza B	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	11	1	91.67
Seegene	negative	1	0	100.00
Total		48	1	97.96

Parainfluenza Virus 1	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	1	0	100.00
Total		45	0	100.00

Parainfluenza Virus 2	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	1	0	100.00
Total		45	0	100.00

Parainfluenza Virus 3	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	1	0	100.00
Total		45	0	100.00

Parainfluenza Virus 4	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	1	0	100.00
Total		45	0	100.00

Respiratory Syncytial Virus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	1	0	100.00
Total		49	0	100.00

Bordetella parapertussis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
Seegene	negative	1	0	100.00
Total		37	0	100.00

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

Chlamydophila pneumoniae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
Seegene	negative	2	0	100.00
Total		38	0	100.00

Mycoplasma pneumoniae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	35	1	97.22
QIAstat-DX	negative	12	0	100.00
Seegene	negative	2	0	100.00
Total		49	1	98.00

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

Haemophilus influenzae	Target Value	negative	positive	% Conform
Seegene	negative	2	0	100.00

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

Streptococcus pneumoniae	Target Value	negative	positive	% Conform
Seegene	negative	2	0	100.00

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

B23 Meningitis Panel NAT

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

Haemophilus influenzae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	28	0	100.00
QIAstat-DX	negative	6	0	100.00
Seegene	negative	1	0	100.00
Total		35	0	100.00

Listeria monocytogenes	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	28	0	100.00
QIAstat-DX	negative	6	0	100.00
Seegene	negative	1	0	100.00
Total		35	0	100.00

Neisseria meningitidis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	28	0	100.00
QIAstat-DX	negative	6	0	100.00
Seegene	negative	1	0	100.00
Total		35	0	100.00

Streptococcus agalactiae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	28	0	100.00
QIAstat-DX	negative	6	0	100.00
Seegene	negative	1	0	100.00
Total		35	0	100.00

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

Cytomegalievirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	30	100.00
Seegene	positive	0	2	100.00
Total		0	32	100.00

Enterovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	28	0	100.00
QIAstat-DX	negative	7	0	100.00
Seegene	negative	1	0	100.00
Total		36	0	100.00

Herpes-simplex-Virus 1	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	8	0	100.00
Seegene	negative	2	0	100.00
MDX liaison DiaSorin	negative	6	0	100.00
other methods NAT	negative	2	0	100.00
Total		47	0	100.00

Herpes-simplex-Virus 2	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	8	0	100.00
Seegene	negative	2	0	100.00
MDX liaison DiaSorin	negative	6	0	100.00
other methods NAT	negative	2	0	100.00
Total		47	0	100.00

Human herpesvirus 6 (HHV-6)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	27	0	100.00
QIAstat-DX	negative	7	0	100.00
Seegene	negative	1	0	100.00
Total		35	0	100.00

Parechovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	28	100.00
QIAstat-DX	positive	0	6	100.00
Seegene	positive	0	1	100.00
Total		0	35	100.00

Varizella-Zoster-Virus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	28	0	100.00
QIAstat-DX	negative	8	0	100.00
Seegene	negative	2	0	100.00
MDX liaison DiaSorin	negative	4	0	100.00
other methods NAT	negative	3	0	100.00
Total		45	0	100.00

Cryptococcus neoformans/gattii	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	27	0	100.00
QIAstat-DX	negative	6	0	100.00
Total		33	0	100.00

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

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

Epstein-Barr Virus	Target Value	negative	positive	% Conform
Seegene	negative	1	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	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	5	0	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	negative	10	0	100.00

B31 SARS-CoV-2

SARS-CoV-2	Target Value	negative	positive	% Conform
Genexpert	negative	50	0	100.00
MDX liaison DiaSorin	negative	8	0	100.00
BD MAX	negative	1	0	100.00
cobas Liat	negative	5	0	100.00
Other methods	negative	16	0	100.00
Total		80	0	100.00

B36 SARS-CoV2+Flu+RSV

SARS CoV-2	Target Value	negative	positive	% Conform
Genexpert	negative	37	0	100.00
Other methods	negative	13	0	100.00
Total		50	0	100.00

Influenza A	Target Value	negative	positive	% Conform
Genexpert	negative	34	0	100.00
Other methods	negative	12	0	100.00
Total		46	0	100.00

Influenza B	Target Value	negative	positive	% Conform
Genexpert	negative	33	0	100.00
Other methods	negative	13	0	100.00
Total		46	0	100.00

RSV	Target Value	negative	positive	% Conform
Genexpert	negative	33	0	100.00
Other methods	negative	10	0	100.00
Total		43	0	100.00