

Report MQ 2025/1 Microbiology: Molecular diagnostics**Summary**

Sample	Results	Good	% Good
B11 Chlamydia trachomatis/Neisseria gonorrhoe	101	101	100.00
B12 Staphylococcus aureus, MRSA	37	37	100.00
B13 Clostridium difficile	86	86	100.00
B14 Streptococcus Gruppe B	41	40	97.56
B15 Norovirus	66	66	100.00
B16 Influenzavirus/RSV	176	176	100.00
B17 Mycobacterium tuberculosis	34	34	100.00
B18 Gastrointestinal Panel NAT	1179	1170	99.24
B19 Respiratory Panel NAT	1063	1063	100.00
B23 Meningitis Panel NAT	621	621	100.00
B25 Carba-R	40	40	100.00
B26 Enterovirus	4	4	100.00
B29 VanA/VanB	25	24	96.00
B31 SARS-CoV-2	75	75	100.00
B36 SARS-CoV2+Flu+RSV	211	210	99.53
Total	3759	3747	99.68

B11 Chlamydia trachomatis/Neisseria gonorrhoeae

Chlamydia trachomatis (CT)	Target Value	negative	positive	% Conform
Genexpert	negative	31	0	100.00
Other methods	negative	19	0	100.00
Total		50	0	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	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	border	positive	% Conform
Genexpert	positive	0	0	29	100.00
Other methods	positive	0	0	1	100.00
Total		0	0	30	100.00

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

Ribotype 027	Target Value	negative	border	positive	% Conform
Genexpert	Borderline/pos	0	2	26	100.00

B14 Streptococcus Gruppe B

Streptococcus Gruppe B	Target Value	negative	positive	% Conform
Genexpert	positive	0	39	100.00
Other methods	positive	1	1	50.00
Total		1	40	97.56

B15 Norovirus

Norovirus	Target Value	negative	positive	% Conform
Other methods	positive	0	1	100.00
Genexpert	positive	0	65	100.00
Total		0	66	100.00

B16 Influenzavirus/RSV

Influenza A	Target Value	negative	positive	% Conform
Genexpert	positive	0	45	100.00
Abbott ID NOW	positive	0	3	100.00
cobas Liat	positive	0	7	100.00
Other methods	positive	0	6	100.00
Total		0	61	100.00

Influenza B	Target Value	negative	positive	% Conform
Genexpert	negative	45	0	100.00
Abbott ID NOW	negative	3	0	100.00
cobas Liat	negative	7	0	100.00
Other methods	negative	6	0	100.00
Total		61	0	100.00

RSV	Target Value	negative	positive	% Conform
Genexpert	negative	44	0	100.00
cobas Liat	negative	4	0	100.00
Other methods	negative	6	0	100.00
Total		54	0	100.00

Commentary B16

The sample contained influenza A H5N1

B17 Mycobacterium tuberculosis

Mycobacterium tuberculosis	Target Value	negative	positive	% Conform
Genexpert	positive	0	23	100.00

Rifampicin resistance (RIF)	Target Value	negative	positive	% Conform
Genexpert	positive	0	11	100.00

B18 Gastrointestinal Panel NAT

Adenovirus F40/41	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	3	0	100.00
Total		47	0	100.00

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

Astrovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	3	0	100.00
Total		48	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	31	0	100.00
QIAstat-DX	negative	14	0	100.00
Seegene	negative	10	0	100.00
BD MAX	negative	4	0	100.00
Total		59	0	100.00

Clostridium difficile	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	14	0	100.00
Seegene	negative	7	0	100.00
Total		53	0	100.00

Cryptosporidium	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	2	30	93.75
QIAstat-DX	positive	1	12	92.31
Seegene	positive	1	8	88.89
Total		4	50	92.59

Cyclospora cayetanensis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	9	0	100.00
Total		52	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	31	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	7	0	100.00
Total		51	0	100.00

E. coli (EIEC) / Shigella	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	14	0	100.00
Seegene	negative	10	0	100.00
BD MAX	negative	4	0	100.00
Total		59	0	100.00

E. coli (EPEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	8	0	100.00
Total		52	0	100.00

E. coli (ETEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	8	0	100.00
BD MAX	negative	2	0	100.00
Total		54	0	100.00

E. coli (STEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	14	0	100.00
Seegene	negative	9	0	100.00
BD MAX	negative	4	0	100.00
Total		58	0	100.00

E. coli O157	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	23	0	100.00
QIAstat-DX	negative	8	0	100.00
Seegene	negative	9	0	100.00
Total		40	0	100.00

Entamoeba histolytica	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	9	0	100.00
Total		53	0	100.00

Giardia lamblia	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	9	0	100.00
Total		54	0	100.00

Norovirus GI/GII	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	14	0	100.00
Total		47	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

Plesiomonas shigelloides	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	13	0	100.00
BD MAX	negative	2	0	100.00
Total		46	0	100.00

Rotavirus A	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	14	0	100.00
Seegene	negative	3	0	100.00
Total		50	0	100.00

Salmonella	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	31	100.00
QIAstat-DX	positive	1	13	92.86
Seegene	positive	0	10	100.00
BD MAX	positive	0	4	100.00
Total		1	58	98.31

Sapovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	3	0	100.00
Total		48	0	100.00

Vibrio	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	2	29	93.55
Seegene	positive	1	7	87.50
BD MAX	positive	0	2	100.00
Total		3	38	92.68

Vibrio cholerae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	13	0	100.00
Total		43	0	100.00

Vibrio parahaemolyticus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	13	0	100.00

Vibrio vulnificus	Target Value	negative	positive	% Conform
QIAstat-DX	positive	1	12	92.31

Yersinia enterocolitica	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	14	0	100.00
Seegene	negative	9	0	100.00
BD MAX	negative	2	0	100.00
Total		56	0	100.00

Commentary B18

The sample contained the following germs: *Salmonella enterica typhimurium*, *Vibrio vulnificus* and *Cryptosporidium parvum*

B19 Respiratory Panel NAT

Adenovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	40	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	2	0	100.00
Total		55	0	100.00

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

Bordetella parapertussis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	39	0	100.00
Seegene	negative	3	0	100.00
Total		42	0	100.00

Bordetella pertussis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	38	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	3	0	100.00
MDX liaison DiaSorin	negative	2	0	100.00
Total		56	0	100.00

Chlamydomphila pneumoniae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	40	0	100.00
Seegene	negative	4	0	100.00
Total		44	0	100.00

Coronavirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	5	0	100.00

Coronavirus 229E	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	13	0	100.00
Total		49	0	100.00

Coronavirus HKU1	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	13	0	100.00
Total		49	0	100.00

Coronavirus NL63	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	13	0	100.00
Total		49	0	100.00

Coronavirus OC43	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	13	0	100.00
Total		49	0	100.00

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

Influenza A	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	41	100.00
QIAstat-DX	positive	0	13	100.00
Seegene	positive	0	2	100.00
Total		0	56	100.00

Influenza B	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	41	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	2	0	100.00
Total		56	0	100.00

Legionella pneumophila	Target Value	negative	positive	% Conform
QIAstat-DX	negative	11	0	100.00
Seegene	negative	3	0	100.00
Total		14	0	100.00

MERS-CoV	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	38	0	100.00

Metapneumovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	41	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	2	0	100.00
Total		56	0	100.00

Mycoplasma pneumoniae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	41	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	4	0	100.00
Total		58	0	100.00

Parainfluenza	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	5	0	100.00
Seegene	negative	2	0	100.00
Total		7	0	100.00

Parainfluenza Virus 1	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	13	0	100.00
Total		49	0	100.00

Parainfluenza Virus 2	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	13	0	100.00
Total		49	0	100.00

Parainfluenza Virus 3	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	13	0	100.00
Total		49	0	100.00

Parainfluenza Virus 4	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	13	0	100.00
Total		49	0	100.00

Respiratory Syncytial Virus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	41	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	2	0	100.00
Total		56	0	100.00

Rhinovirus/Enterovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	41	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	2	0	100.00
Total		56	0	100.00

SARS-Cov-2	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	38	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	2	0	100.00
Total		52	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

Commentary B19

The sample contained influenza A H5N1

B23 Meningitis Panel NAT

Cryptococcus neoformans/gattii	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	29	100.00
QIAstat-DX	positive	0	8	100.00
Total		0	37	100.00

Cytomegalievirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
Seegene	negative	3	0	100.00
Total		36	0	100.00

Enterovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	10	0	100.00
Seegene	negative	1	0	100.00
Total		42	0	100.00

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

Escherichia coli K1	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	8	0	100.00
Seegene	negative	1	0	100.00
Total		41	0	100.00

Gruppe B Streptokokken (GBS)	Target Value	negative	positive	% Conform
Seegene	negative	1	0	100.00

Haemophilus influenzae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	8	0	100.00
Seegene	negative	1	0	100.00
Total		41	0	100.00

Herpes-simplex-Virus 1	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	11	0	100.00
Seegene	negative	3	0	100.00
MDX liaison DiaSorin	negative	4	0	100.00
other methods NAT	negative	4	0	100.00
Total		55	0	100.00

Herpes-simplex-Virus 2	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	11	0	100.00
Seegene	negative	3	0	100.00
MDX liaison DiaSorin	negative	4	0	100.00
other methods NAT	negative	4	0	100.00
Total		55	0	100.00

Human herpesvirus 6 (HHV-6)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	9	0	100.00
Seegene	negative	2	0	100.00
Total		42	0	100.00

Human herpes virus 7	Target Value	negative	positive	% Conform
Seegene	negative	1	0	100.00

Listeria monocytogenes	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	8	0	100.00
Seegene	negative	1	0	100.00
Total		41	0	100.00

Mycoplasma pneumoniae	Target Value	negative	positive	% Conform
QIAstat-DX	negative	6	0	100.00

Neisseria meningitidis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	8	0	100.00
Seegene	negative	1	0	100.00
Total		41	0	100.00

Parechovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	31	100.00
QIAstat-DX	positive	0	8	100.00
Seegene	positive	0	1	100.00
Total		0	40	100.00

Streptococcus agalactiae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	8	0	100.00
Total		40	0	100.00

Streptococcus pneumoniae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	8	0	100.00
Seegene	negative	1	0	100.00
Total		41	0	100.00

Streptococcus pyogenes	Target Value	negative	positive	% Conform
QIAstat-DX	negative	8	0	100.00

Varizella-Zoster-Virus	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	32	100.00
QIAstat-DX	positive	0	11	100.00
Seegene	positive	0	3	100.00
MDX liaison DiaSorin	positive	0	3	100.00
other methods NAT	positive	0	3	100.00
Total		0	52	100.00

Commentary B23

The sample contained the following germs: *Parechovirus Typ 3*, *VZV* and *Cryptococcus gattii*

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	positive	0	8	100.00

B26 Enterovirus

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

B29 VanA/VanB

VanA/VanB	Target Value	negative	positive	% Conform
Genexpert	positive	0	1	100.00

VRE Van A	Target Value	negative	positive	% Conform
Genexpert	positive	1	11	91.67

VRE Van B	Target Value	negative	positive	% Conform
Genexpert	negative	12	0	100.00

B31 SARS-CoV-2

SARS-CoV-2	Target Value	negative	positive	% Conform
Genexpert	negative	48	0	100.00
MDX liaison DiaSorin	negative	8	0	100.00
cobas Liat	negative	6	0	100.00
Other methods	negative	13	0	100.00
Total		75	0	100.00

B36 SARS-CoV2+Flu+RSV

SARS CoV-2	Target Value	negative	positive	% Conform
Genexpert	negative	43	0	100.00
Other methods	negative	12	0	100.00
Total		55	0	100.00

Influenza A	Target Value	negative	positive	% Conform
Genexpert	positive	0	41	100.00
Other methods	positive	1	11	91.67
Total		1	52	98.11

Influenza B	Target Value	negative	positive	% Conform
Genexpert	negative	40	0	100.00
Other methods	negative	13	0	100.00
Total		53	0	100.00

RSV	Target Value	negative	positive	% Conform
Genexpert	negative	40	0	100.00
Other methods	negative	10	0	100.00
Total		50	0	100.00

Commentary B36

The sample contained influenza A H5N1