

Report MQ 2025/3 Microbiology: Molecular diagnostics**Summary**

Sample		Results	Good	% Good
B11	Chlamydia trachomatis/Neisseria gonorrhoeae	101	99	98.02 %
B12	Staphylococcus aureus, MRSA	36	36	100.00 %
B13	Clostridium difficile	88	88	100.00 %
B14	Streptococcus Gruppe B	41	41	100.00 %
B15	Norovirus	69	67	97.10 %
B16	Influenzavirus/RSV	162	161	99.38 %
B17	Mycobacterium tuberculosis	36	34	94.44 %
B18	Gastrointestinal Panel NAT	1229	1229	100.00 %
B19	Respiratory Panel NAT	1100	1099	99.91 %
B23	Meningitis Panel NAT	667	663	99.40 %
B25	Carba-R	35	35	100.00 %
B26	Enterovirus	5	5	100.00 %
B29	VanA/VanB	28	28	100.00 %
B31	SARS-CoV-2	69	69	100.00 %
B36	SARS-CoV2+Flu+RSV	207	207	100.00 %
V07	HIV-1 WB NAT	4	4	100.00 %
Total		3877	3865	99.69 %

B11 Chlamydia trachomatis/Neisseria gonorrhoeae

Chlamydia trachomatis (CT)	Target Value	negative	positive	% Conform
Other methods	positive	0	20	100.00
GeneXpert	positive	0	30	100.00
Total		0	50	100.00

Neisseria gonorrhoeae (NG)	Target Value	negative	positive	% Conform
Other methods	positive	2	19	90.48
GeneXpert	positive	0	30	100.00
Total		2	49	96.08

B12 Staphylococcus aureus, MRSA

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

Staphylococcus aureus (SA)	Target Value	negative	positive	% Conform
GeneXpert	negative	2	0	100.00

B13 Clostridium difficile

Clostridium difficile	Target Value	negative	positive	% Conform
Other methods	negative	1	0	100.00
GeneXpert	negative	31	0	100.00
Total		32	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	41	100.00

B15 Norovirus

Norovirus	Target Value	negative	positive	% Conform
GeneXpert	negative	66	1	98.51
Other methods	negative	1	1	50.00
Total		67	2	97.10

B16 Influenzavirus/RSV

RSV	Target Value	negative	positive	% Conform
GeneXpert	positive	0	42	100.00
cobas Liat	positive	0	4	100.00
Other methods	positive	1	3	75.00
Total		1	49	98.00

Influenza A	Target Value	negative	positive	% Conform
Abbott ID NOW	negative	3	0	100.00
GeneXpert	negative	42	0	100.00
cobas Liat	negative	7	0	100.00
Other methods	negative	4	0	100.00
Total		56	0	100.00

Influenza B	Target Value	negative	positive	% Conform
cobas Liat	negative	7	0	100.00
Abbott ID NOW	negative	3	0	100.00
GeneXpert	negative	42	0	100.00
Other methods	negative	4	0	100.00
Total		56	0	100.00

B17 Mycobacterium tuberculosis

Mycobacterium tuberculosis	Target Value	negative	border	positive	% Conform
GeneXpert	positive	1	1	21	91.30

Rifampicin resistance (RIF)	Target Value	negative	border	positive	% Conform
GeneXpert	negative	13	0	0	100.00

B18 Gastrointestinal Panel NAT

Adenovirus F40/41	Target Value	negative	positive	% Conform
Seegene	negative	3	0	100.00
QIAstat-DX	negative	15	0	100.00
Biofire/Filmarray	negative	30	0	100.00
Total		48	0	100.00

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

Astrovirus	Target Value	negative	positive	% Conform
Seegene	negative	5	0	100.00
QIAstat-DX	negative	15	0	100.00
Biofire/Filmarray	negative	30	0	100.00
Total		50	0	100.00

Blastocystis hominis	Target Value	negative	positive	% Conform
Seegene	negative	10	0	100.00

Campylobacter	Target Value	negative	positive	% Conform
QIAstat-DX	positive	0	16	100.00
Biofire/Filmarray	positive	0	29	100.00
	positive	0	3	100.00
Seegene	positive	0	12	100.00
Total		0	60	100.00

Clostridium difficile	Target Value	negative	positive	% Conform
Seegene	negative	7	0	100.00
QIAstat-DX	negative	16	0	100.00
Biofire/Filmarray	negative	30	0	100.00
Total		53	0	100.00

Cryptosporidium	Target Value	negative	positive	% Conform
QIAstat-DX	negative	15	0	100.00
Biofire/Filmarray	negative	30	0	100.00
Seegene	negative	12	0	100.00
Total		57	0	100.00

Cyclospora cayetanensis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
Seegene	negative	12	0	100.00
QIAstat-DX	negative	14	0	100.00
Total		55	0	100.00

Dientamoeba fragilis	Target Value	negative	positive	% Conform
Seegene	negative	10	0	100.00

E. coli (EAEC)	Target Value	negative	positive	% Conform
QIAstat-DX	negative	15	0	100.00
Biofire/Filmarray	negative	29	0	100.00
Seegene	negative	9	0	100.00
Total		53	0	100.00

E. coli (EIEC) / Shigella	Target Value	negative	positive	% Conform
	negative	3	0	100.00
QIAstat-DX	negative	16	0	100.00
Biofire/Filmarray	negative	29	0	100.00
Seegene	negative	12	0	100.00
Total		60	0	100.00

E. coli (EPEC)	Target Value	negative	positive	% Conform
QIAstat-DX	negative	15	0	100.00
Biofire/Filmarray	negative	29	0	100.00
Seegene	negative	10	0	100.00
Total		54	0	100.00

E. coli (ETEC)	Target Value	negative	positive	% Conform
	negative	2	0	100.00
QIAstat-DX	negative	15	0	100.00
Biofire/Filmarray	negative	29	0	100.00
Seegene	negative	10	0	100.00
Total		56	0	100.00

E. coli (STEC)	Target Value	negative	positive	% Conform
	negative	3	0	100.00
Seegene	negative	11	0	100.00
QIAstat-DX	negative	16	0	100.00
Biofire/Filmarray	negative	29	0	100.00
Total		59	0	100.00

E. coli O157	Target Value	negative	positive	% Conform
Seegene	negative	10	0	100.00
QIAstat-DX	negative	12	0	100.00
Biofire/Filmarray	negative	23	0	100.00
Total		45	0	100.00

Entamoeba histolytica	Target Value	negative	positive	% Conform
Seegene	positive	0	12	100.00
QIAstat-DX	positive	0	15	100.00
Biofire/Filmarray	positive	0	29	100.00
Total		0	56	100.00

Giardia lamblia	Target Value	negative	positive	% Conform
Seegene	negative	12	0	100.00
QIAstat-DX	negative	15	0	100.00
Biofire/Filmarray	negative	30	0	100.00
Total		57	0	100.00

Norovirus GI/GII	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	16	0	100.00
Total		47	0	100.00

Norovirus GI	Target Value	negative	positive	% Conform
Seegene	negative	5	0	100.00

Norovirus GII	Target Value	negative	positive	% Conform
Seegene	negative	5	0	100.00

Plesiomonas shigelloides	Target Value	negative	positive	% Conform
QIAstat-DX	negative	15	0	100.00
Biofire/Filmarray	negative	30	0	100.00
	negative	2	0	100.00
Seegene	negative	1	0	100.00
Total		48	0	100.00

Rotavirus A	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
Seegene	negative	4	0	100.00
QIAstat-DX	negative	16	0	100.00
Total		51	0	100.00

Salmonella	Target Value	negative	positive	% Conform
QIAstat-DX	negative	16	0	100.00
Biofire/Filmarray	negative	29	0	100.00
	negative	3	0	100.00
Seegene	negative	12	0	100.00
Total		60	0	100.00

Sapovirus	Target Value	negative	positive	% Conform
Seegene	positive	0	6	100.00
QIAstat-DX	positive	0	15	100.00
Biofire/Filmarray	positive	0	30	100.00
Total		0	51	100.00

Vibrio	Target Value	negative	positive	% Conform
Seegene	negative	9	0	100.00
Biofire/Filmarray	negative	29	0	100.00
	negative	2	0	100.00
Total		40	0	100.00

Vibrio cholerae	Target Value	negative	positive	% Conform
QIAstat-DX	negative	15	0	100.00
Biofire/Filmarray	negative	29	0	100.00
Total		44	0	100.00

Vibrio parahaemolyticus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	15	0	100.00

Vibrio vulnificus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	15	0	100.00

Yersinia enterocolitica	Target Value	negative	positive	% Conform
Seegene	negative	11	0	100.00
	negative	2	0	100.00
QIAstat-DX	negative	16	0	100.00
Biofire/Filmarray	negative	29	0	100.00
Total		58	0	100.00

B19 Respiratory Panel NAT

Adenovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	43	0	100.00
Seegene	negative	3	0	100.00
QIAstat-DX	negative	13	0	100.00
Total		59	0	100.00

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

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

Bordetella pertussis	Target Value	negative	positive	% Conform
Seegene	negative	4	0	100.00
Biofire/Filmarray	negative	39	0	100.00
QIAstat-DX	negative	13	0	100.00
MDX liaison DiaSorin	negative	2	0	100.00
Total		58	0	100.00

Chlamydomphila pneumoniae	Target Value	negative	positive	% Conform
Seegene	negative	5	0	100.00
Biofire/Filmarray	negative	42	0	100.00
QIAstat-DX	negative	5	0	100.00
Total		52	0	100.00

Coronavirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	8	0	100.00
Coronavirus 229E	Target Value	negative	positive	% Conform
QIAstat-DX	negative	13	0	100.00
Biofire/Filmarray	negative	35	0	100.00
Total		48	0	100.00
Coronavirus HKU1	Target Value	negative	positive	% Conform
QIAstat-DX	negative	13	0	100.00
Biofire/Filmarray	negative	35	0	100.00
Total		48	0	100.00
Coronavirus NL63	Target Value	negative	positive	% Conform
QIAstat-DX	negative	13	0	100.00
Biofire/Filmarray	negative	35	0	100.00
Total		48	0	100.00
Coronavirus OC43	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	35	0	100.00
QIAstat-DX	negative	13	0	100.00
Total		48	0	100.00
Haemophilus influenzae	Target Value	negative	positive	% Conform
Seegene	negative	2	0	100.00

Influenza A	Target Value	negative	positive	% Conform
QIAstat-DX	positive	0	13	100.00
Seegene	positive	0	3	100.00
Biofire/Filmarray	positive	0	43	100.00
Total		0	59	100.00

Influenza B	Target Value	negative	positive	% Conform
QIAstat-DX	negative	13	0	100.00
Seegene	negative	3	0	100.00
Biofire/Filmarray	negative	43	0	100.00
Total		59	0	100.00

Legionella pneumophila	Target Value	negative	positive	% Conform
Seegene	negative	4	0	100.00
QIAstat-DX	negative	12	0	100.00
Other methods	negative	2	0	100.00
Total		18	0	100.00

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

Metapneumovirus	Target Value	negative	positive	% Conform
Seegene	negative	3	0	100.00
Biofire/Filmarray	negative	43	0	100.00
QIAstat-DX	negative	13	0	100.00
Total		59	0	100.00

Mycoplasma pneumoniae	Target Value	negative	positive	% Conform
QIAstat-DX	negative	13	0	100.00
Seegene	negative	5	0	100.00
Biofire/Filmarray	negative	43	0	100.00
Total		61	0	100.00

Parainfluenza	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	1	6	85.71
Seegene	positive	0	3	100.00
Total		1	9	90.00

Parainfluenza Virus 1	Target Value	negative	positive	% Conform
QIAstat-DX	negative	13	0	100.00
Biofire/Filmarray	negative	36	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	positive	0	36	100.00
QIAstat-DX	positive	0	13	100.00
Total		0	49	100.00
Rhinovirus	Target Value	negative	positive	% Conform
Seegene	positive	0	1	100.00
Rhinovirus/Enterovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	43	100.00
QIAstat-DX	positive	0	13	100.00
Seegene	positive	0	2	100.00
Total		0	58	100.00
Respiratory Syncytial Virus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	43	0	100.00
Seegene	negative	3	0	100.00
QIAstat-DX	negative	13	0	100.00
Total		59	0	100.00
SARS-Cov-2	Target Value	negative	positive	% Conform
QIAstat-DX	negative	13	0	100.00
Biofire/Filmarray	negative	39	0	100.00
Seegene	negative	3	0	100.00
Total		55	0	100.00

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

B23 Meningitis Panel NAT

Cryptococcus neoformans/gattii	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	11	0	100.00
Total		40	0	100.00

Cytomegalievirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	33	100.00
Seegene	positive	1	2	66.67
Total		1	35	97.22

Enterovirus	Target Value	negative	positive	% Conform
Seegene	negative	1	0	100.00
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	13	0	100.00
Total		45	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
QIAstat-DX	negative	11	0	100.00
Biofire/Filmarray	negative	32	0	100.00
Seegene	negative	1	0	100.00
Total		44	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
QIAstat-DX	negative	11	0	100.00
Biofire/Filmarray	negative	30	2	93.75
Seegene	negative	1	0	100.00
Total		42	2	95.45
Herpes-simplex-Virus 1	Target Value	negative	positive	% Conform
QIAstat-DX	negative	14	0	100.00
Biofire/Filmarray	negative	33	0	100.00
MDX liaison DiaSorin	negative	4	0	100.00
other methods NAT	negative	3	0	100.00
Seegene	negative	3	0	100.00
Total		57	0	100.00
Herpes-simplex-Virus 2	Target Value	negative	positive	% Conform
QIAstat-DX	positive	0	14	100.00
Biofire/Filmarray	positive	0	33	100.00
MDX liaison DiaSorin	positive	0	4	100.00
other methods NAT	positive	0	4	100.00
Seegene	positive	0	3	100.00
Total		0	58	100.00
Human herpesvirus 6 (HHV-6)	Target Value	negative	positive	% Conform
Seegene	negative	2	0	100.00
QIAstat-DX	negative	11	1	91.67
Biofire/Filmarray	negative	31	0	100.00
Total		44	1	97.78

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
Seegene	negative	1	0	100.00
QIAstat-DX	negative	11	0	100.00
Total		44	0	100.00

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

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

Parechovirus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	11	0	100.00
Seegene	negative	1	0	100.00
Biofire/Filmarray	negative	31	0	100.00
Total		43	0	100.00

Streptococcus agalactiae	Target Value	negative	positive	% Conform
QIAstat-DX	negative	11	0	100.00
Biofire/Filmarray	negative	32	0	100.00
Total		43	0	100.00

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

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

Varizella-Zoster-Virus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
Seegene	negative	3	0	100.00
QIAstat-DX	negative	14	0	100.00
MDX liaison DiaSorin	negative	3	0	100.00
other methods NAT	negative	3	0	100.00
Total		55	0	100.00

B25 Carba-R

Carba-R (IMP1)	Target Value	negative	positive	% Conform
GeneXpert	negative	7	0	100.00

Carba-R (KPC)	Target Value	negative	positive	% Conform
GeneXpert	negative	7	0	100.00

Carba-R (NDM)	Target Value	negative	positive	% Conform
GeneXpert	negative	7	0	100.00

Carba-R (OXA48)	Target Value	negative	positive	% Conform
GeneXpert	negative	7	0	100.00

Carba-R (VIM)	Target Value	negative	positive	% Conform
GeneXpert	negative	7	0	100.00

B26 Enterovirus

Enterovirus (NAT)	Target Value	negative	positive	% Conform
GeneXpert	negative	2	0	100.00
Other methods	negative	3	0	100.00
Total		5	0	100.00

B29 VanA/VanB

VRE Van A	Target Value	negative	positive	% Conform
GeneXpert	negative	14	0	100.00

VRE Van B	Target Value	negative	positive	% Conform
GeneXpert	negative	14	0	100.00

B31 SARS-CoV-2

SARS-CoV-2	Target Value	negative	positive	% Conform
MDX liaison DiaSorin	positive	0	8	100.00
cobas Liat	positive	0	6	100.00
GeneXpert	positive	0	49	100.00
Other methods	positive	0	6	100.00
Total		0	69	100.00

B36 SARS-CoV2+Flu+RSV

Influenza A	Target Value	negative	positive	% Conform
Other methods	negative	8	0	100.00
GeneXpert	negative	44	0	100.00
Total		52	0	100.00

Influenza B	Target Value	negative	positive	% Conform
Other methods	negative	9	0	100.00
GeneXpert	negative	43	0	100.00
Total		52	0	100.00

RSV	Target Value	negative	positive	% Conform
Other methods	positive	0	7	100.00
GeneXpert	positive	0	43	100.00
Total		0	50	100.00

SARS CoV-2	Target Value	negative	positive	% Conform
Other methods	positive	0	8	100.00
GeneXpert	positive	0	45	100.00
Total		0	53	100.00

