

Report MQ 2026/2 Microbiology: Molecular diagnostics

22.06.2026 V1.0

Summary

Sample		Results	Good	% Good
B11	Chlamydia trachomatis/Neisseria gonorrhoeae	121	121	100.00 %
B12	Staphylococcus aureus, MRSA	35	35	100.00 %
B13	Clostridium difficile	88	88	100.00 %
B14	Group B streptococcus	44	44	100.00 %
B15	Norovirus	70	69	98.57 %
B16	Influenzavirus/RSV	146	145	99.32 %
B17	Mycobacterium tuberculosis	35	35	100.00 %
B18	Gastrointestinal Panel NAT	1390	1389	99.93 %
B19	Respiratory Panel NAT	1224	1224	100.00 %
B23	Meningitis Panel NAT	773	772	99.87 %
B25	Carba-R	39	39	100.00 %
B26	Enterovirus	6	6	100.00 %
B29	VanA/VanB	34	34	100.00 %
B31	SARS-CoV-2	54	53	98.15 %
B36	SARS-CoV2+Flu+RSV	240	238	99.17 %
V07	HIV-1 WB NAT	4	4	100.00 %
Total		4303	4296	99.84 %

B11 Chlamydia trachomatis/Neisseria gonorrhoeae

Chlamydia trachomatis (CT)	Target Value	negative	positive	% Conform
GeneXpert	negative	35	0	100.00
Other methods	negative	25	0	100.00
Total		60	0	100.00

Neisseria gonorrhoeae (NG)	Target Value	negative	positive	% Conform
GeneXpert	negative	35	0	100.00
Other methods	negative	26	0	100.00
Total		61	0	100.00

B12 Staphylococcus aureus, MRSA

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

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

B13 Clostridium difficile

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

Group B streptococcus	Target Value	negative	positive	% Conform
GeneXpert	positive	0	44	100.00

B15 Norovirus

Norovirus	Target Value	negative	positive	% Conform
GeneXpert	negative	67	1	98.53
Other methods	negative	2	0	100.00
Total		69	1	98.57

B16 Influenzavirus/RSV

RSV	Target Value	negative	positive	% Conform
GeneXpert	negative	38	0	100.00
cobas Liat	negative	4	0	100.00
Other methods	negative	4	0	100.00
Total		46	0	100.00

Influenza A	Target Value	negative	positive	% Conform
GeneXpert	positive	1	37	97.37
cobas Liat	positive	0	5	100.00
Abbott ID NOW	positive	0	3	100.00
Other methods	positive	0	4	100.00
Total		1	49	98.00

Influenza B	Target Value	negative	positive	% Conform
GeneXpert	negative	38	0	100.00
cobas Liat	negative	5	0	100.00
Abbott ID NOW	negative	3	0	100.00
Other methods	negative	4	0	100.00
Total		50	0	100.00

B17 Mycobacterium tuberculosis

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

Rifampicin resistance (RIF)	Target Value	negative	positive	% Conform
GeneXpert	negative	12	0	100.00

B18 Gastrointestinal Panel NAT

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

Adenovirus F40/41	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	17	0	100.00
Total		50	0	100.00

Aeromonas	Target Value	negative	positive	% Conform
Seegene	negative	8	0	100.00

Astrovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	17	0	100.00
Seegene	negative	7	0	100.00
Total		57	0	100.00

Blastocystis hominis	Target Value	negative	positive	% Conform
Seegene	negative	12	0	100.00

Campylobacter	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	18	0	100.00
Seegene	negative	14	0	100.00
BD MAX	negative	7	0	100.00
Total		70	0	100.00

Clostridium difficile	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	18	0	100.00
Seegene	negative	9	0	100.00
Total		59	0	100.00

Cryptosporidium	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	17	0	100.00
Seegene	negative	13	0	100.00
Total		63	0	100.00

Cyclospora cayetanensis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	13	0	100.00
Total		60	0	100.00

Dientamoeba fragilis	Target Value	negative	positive	% Conform
Seegene	negative	12	0	100.00

E. coli (EAEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	17	0	100.00
Seegene	negative	11	0	100.00
Total		59	0	100.00

E. coli (EIEC) / Shigella	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	31	100.00
QIAstat-DX	positive	0	18	100.00
Seegene	positive	0	14	100.00
BD MAX	positive	0	7	100.00
Total		0	70	100.00

E. coli (EPEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	17	0	100.00
Seegene	negative	12	0	100.00
Total		60	0	100.00

E. coli (ETEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	17	0	100.00
Seegene	negative	11	0	100.00
BD MAX	negative	5	0	100.00
Total		64	0	100.00

E. coli (STEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	18	0	100.00
Seegene	negative	13	0	100.00
BD MAX	negative	7	0	100.00
Total		69	0	100.00

E. coli O157	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	24	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	12	0	100.00
Total		49	0	100.00

Entamoeba histolytica	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	17	0	100.00
Seegene	negative	13	0	100.00
Total		62	0	100.00

Giardia lamblia	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	33	100.00
QIAstat-DX	positive	0	17	100.00
Seegene	positive	1	12	92.31
Total		1	62	98.41

Norovirus GI/GII	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	18	0	100.00
Total		52	0	100.00

Norovirus GI	Target Value	negative	positive	% Conform
Seegene	negative	6	0	100.00

Norovirus GII	Target Value	negative	positive	% Conform
Seegene	negative	6	0	100.00

Plesiomonas shigelloides	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	32	100.00
QIAstat-DX	positive	0	17	100.00
BD MAX	positive	0	4	100.00
Total		0	53	100.00

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

Rotavirus A	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	18	0	100.00
Total		52	0	100.00

Salmonella	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	18	0	100.00
Seegene	negative	14	0	100.00
BD MAX	negative	7	0	100.00
Total		70	0	100.00

Sapovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	17	0	100.00
Seegene	negative	7	0	100.00
Total		57	0	100.00

Vibrio	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
Seegene	negative	10	0	100.00
BD MAX	negative	4	0	100.00
Total		45	0	100.00

Vibrio cholerae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	17	0	100.00
Total		48	0	100.00

Vibrio parahaemolyticus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	17	0	100.00

Vibrio vulnificus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	17	0	100.00

Yersinia enterocolitica	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	18	0	100.00
Seegene	negative	13	0	100.00
BD MAX	negative	4	0	100.00
Total		66	0	100.00

Commentary

The sample contained the following germs: *S. sonnei*, *P. shigelloides* and *G. lamblia*

B19 Respiratory Panel NAT

Adenovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	42	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	5	0	100.00
Total		63	0	100.00

Bocavirus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	15	0	100.00
Seegene	negative	1	0	100.00
Total		16	0	100.00

Bordetella parapertussis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	41	0	100.00
Seegene	negative	8	0	100.00
Total		49	0	100.00

Bordetella pertussis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	39	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	9	0	100.00
MDX liaison DiaSorin	negative	2	0	100.00
Total		66	0	100.00

Bordetella holmesii	Target Value	negative	positive	% Conform
all Participants	negative	1	0	100.00

Chlamydomphila pneumoniae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	43	0	100.00
QIAstat-DX	negative	7	0	100.00
Seegene	negative	10	0	100.00
Total		60	0	100.00

Coronavirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	9	100.00

Coronavirus 229E	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	1	0	100.00
Total		50	0	100.00

Coronavirus HKU1	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	16	0	100.00
Total		49	0	100.00

Coronavirus NL63	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	33	100.00
QIAstat-DX	positive	0	16	100.00
Seegene	positive	0	2	100.00
Total		0	51	100.00

Coronavirus OC43	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	2	0	100.00
Total		51	0	100.00

Enterovirus	Target Value	negative	positive	% Conform
Seegene	negative	3	0	100.00

Haemophilus influenzae	Target Value	negative	positive	% Conform
Seegene	negative	7	0	100.00

Influenza A	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	43	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	6	0	100.00
Total		65	0	100.00

Influenza B	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	43	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	6	0	100.00
Total		65	0	100.00

Legionella pneumophilia	Target Value	negative	positive	% Conform
QIAstat-DX	negative	15	0	100.00
Seegene	negative	9	0	100.00
Other methods	negative	4	0	100.00
Total		28	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	42	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	6	0	100.00
Total		64	0	100.00

Mycoplasma pneumoniae	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	44	100.00
QIAstat-DX	positive	0	16	100.00
Seegene	positive	0	10	100.00
Total		0	70	100.00

Parainfluenza	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	9	100.00
Seegene	positive	0	6	100.00
Total		0	15	100.00

Parainfluenza Virus 1	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	3	0	100.00
Total		53	0	100.00

Parainfluenza Virus 2	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	35	100.00
QIAstat-DX	positive	0	16	100.00
Seegene	positive	0	2	100.00
Total		0	53	100.00

Parainfluenza Virus 3	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	3	0	100.00
Total		53	0	100.00

Parainfluenza Virus 4	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	3	0	100.00
Total		53	0	100.00

Rhinovirus	Target Value	negative	positive	% Conform
Seegene	negative	3	0	100.00

Rhinovirus/Enterovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	42	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	3	0	100.00
Total		61	0	100.00

Respiratory Syncytial Virus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	44	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	5	0	100.00
Total		65	0	100.00

SARS-Cov-2	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	38	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	5	0	100.00
Total		59	0	100.00

Streptococcus pneumoniae	Target Value	negative	positive	% Conform
Seegene	negative	6	0	100.00

Commentary

The sample contained the following germs: *M. pneumoniae*, *Parainfluenza 2* and *Coronavirus NL63*

B23 Meningitis Panel NAT

Cryptococcus neoformans/gattii	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	14	0	100.00
Total		48	0	100.00

Cytomegalievirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	37	100.00
QIAstat-DX	positive	0	4	100.00
Seegene	positive	0	3	100.00
Total		0	44	100.00

Enterovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	35	0	100.00
QIAstat-DX	negative	15	0	100.00
Seegene	negative	1	0	100.00
Total		51	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	36	0	100.00
QIAstat-DX	negative	14	0	100.00
Seegene	negative	1	0	100.00
Total		51	0	100.00

Group B streptococcus (GBS)	Target Value	negative	positive	% Conform
Seegene	negative	1	0	100.00

Haemophilus influenzae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	1	97.30
QIAstat-DX	negative	14	0	100.00
Seegene	negative	1	0	100.00
Total		51	1	98.08

Herpes-simplex-Virus 1	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	16	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		63	0	100.00

Herpes-simplex-Virus 2	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	37	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	3	0	100.00
MDX liaison DiaSorin	negative	4	0	100.00
other methods NAT	negative	5	0	100.00
Total		65	0	100.00

Human herpesvirus 6 (HHV-6)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	35	0	100.00
QIAstat-DX	negative	15	0	100.00
Seegene	negative	2	0	100.00
Total		52	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	36	0	100.00
QIAstat-DX	negative	14	0	100.00
Seegene	negative	1	0	100.00
Total		51	0	100.00

Mycoplasma pneumoniae	Target Value	negative	positive	% Conform
QIAstat-DX	negative	14	0	100.00

Neisseria meningitidis	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	37	100.00
QIAstat-DX	positive	0	14	100.00
Seegene	positive	0	1	100.00
Total		0	52	100.00

Parechovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	35	0	100.00
QIAstat-DX	negative	14	0	100.00
Seegene	negative	1	0	100.00
Total		50	0	100.00

Streptococcus agalactiae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	35	0	100.00
QIAstat-DX	negative	14	0	100.00
Total		49	0	100.00

Streptococcus pneumoniae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	37	0	100.00
QIAstat-DX	negative	14	0	100.00
Seegene	negative	1	0	100.00
Total		52	0	100.00

Streptococcus pyogenes	Target Value	negative	positive	% Conform
QIAstat-DX	negative	15	0	100.00

Varizella-Zoster-Virus	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	36	100.00
QIAstat-DX	positive	0	16	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	61	100.00

Commentary

The sample contained the following germs: VZV, *N. meningitidis* and CMV

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	8	0	100.00

Carba-R (NDM)	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

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

B26 Enterovirus

Enterovirus (NAT)	Target Value	negative	positive	% Conform
GeneXpert	negative	2	0	100.00
Other methods	negative	4	0	100.00
Total		6	0	100.00

B29 VanA/VanB

VRE Van A	Target Value	negative	positive	% Conform
GeneXpert	negative	16	0	100.00
Other methods	negative	1	0	100.00
Total		17	0	100.00

VRE Van B	Target Value	negative	positive	% Conform
GeneXpert	negative	16	0	100.00
Other methods	negative	1	0	100.00
Total		17	0	100.00

B31 SARS-CoV-2

SARS-CoV-2	Target Value	negative	positive	% Conform
GeneXpert	positive	1	40	97.56
cobas Liat	positive	0	5	100.00
MDX liaison DiaSorin	positive	0	6	100.00
Other methods	positive	0	2	100.00
Total		1	53	98.15

B36 SARS-CoV2+Flu+RSV

Influenza A	Target Value	negative	positive	% Conform
cobas Liat	positive	0	7	100.00
GeneXpert	positive	0	51	100.00
Other methods	negative	1	1	50.00
Total		1	59	98.33

Influenza B	Target Value	negative	positive	% Conform
cobas Liat	negative	7	0	100.00
GeneXpert	negative	50	0	100.00
Other methods	negative	3	0	100.00
Total		60	0	100.00

RSV	Target Value	negative	positive	% Conform
cobas Liat	negative	5	0	100.00
GeneXpert	negative	50	0	100.00
Other methods	negative	3	0	100.00
Total		58	0	100.00

SARS CoV-2	Target Value	negative	positive	% Conform
cobas Liat	positive	0	7	100.00
GeneXpert	positive	0	53	100.00
Other methods	negative	1	1	50.00
Total		1	61	98.39

V07 HIV-1 WB NAT

HIV-1 WB NAT	Target Value	negative	positive	% Conform
Other methods	positive	0	4	100.00
