

Report MQ 2026/1 Microbiology: Molecular diagnostics

31.03.2026 V1.0

Summary

Sample		Results	Good	% Good
B11	Chlamydia trachomatis/Neisseria gonorrhoeae	117	114	97.44 %
B12	Staphylococcus aureus, MRSA	35	35	100.00 %
B13	Clostridium difficile	87	87	100.00 %
B14	Group B streptococcus	45	45	100.00 %
B15	Norovirus	71	71	100.00 %
B16	Influenzavirus/RSV	146	146	100.00 %
B17	Mycobacterium tuberculosis	35	35	100.00 %
B18	Gastrointestinal Panel NAT	1429	1426	99.79 %
B19	Respiratory Panel NAT	1228	1222	99.51 %
B23	Meningitis Panel NAT	781	779	99.74 %
B25	Carba-R	39	39	100.00 %
B26	Enterovirus	6	6	100.00 %
B29	VanA/VanB	30	29	96.67 %
B31	SARS-CoV-2	61	61	100.00 %
B36	SARS-CoV2+Flu+RSV	231	231	100.00 %
V07	HIV-1 WB NAT	4	4	100.00 %
Total		4345	4330	99.65 %

B11 Chlamydia trachomatis/Neisseria gonorrhoeae

Chlamydia trachomatis (CT)	Target Value	negative	positive	% Conform
GeneXpert	positive	0	34	100.00
Other methods	positive	1	23	95.83
Total		1	57	98.28

Neisseria gonorrhoeae (NG)	Target Value	negative	positive	% Conform
GeneXpert	positive	0	34	100.00
Other methods	positive	2	23	92.00
Total		2	57	96.61

B12 Staphylococcus aureus, MRSA

MRSA	Target Value	negative	positive	% Conform
GeneXpert	negative	33	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
GeneXpert	positive	0	31	100.00

Binary Toxin	Target Value	negative	positive	% Conform
GeneXpert	not rateable	12	16	100.00

Ribotype 027	Target Value	negative	positive	% Conform
GeneXpert	negative	28	0	100.00

Commentary

The sample sent contained toxin B and binary toxin. The Ct value for the binary toxin was 35, which is why the result came back negative on some devices. We have therefore not evaluated the binary toxin analysis.

B14 Group B streptococcus

Group B streptococcus	Target Value	negative	positive	% Conform
GeneXpert	negative	45	0	100.00

B15 Norovirus

Norovirus	Target Value	negative	positive	% Conform
GeneXpert	positive	0	69	100.00
Other methods	positive	0	2	100.00
Total		0	71	100.00

B16 Influenzavirus/RSV

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

Influenza A	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

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	positive	0	23	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	9	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	10	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	9	0	100.00
Total		59	0	100.00

Blastocystis hominis	Target Value	negative	positive	% Conform
Seegene	negative	14	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	16	0	100.00
BD MAX	negative	5	1	83.33
Total		70	1	98.59

Clostridium difficile	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	32	100.00
QIAstat-DX	positive	0	18	100.00
Seegene	positive	0	11	100.00
Total		0	61	100.00

Cryptosporidium	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	17	0	100.00
Seegene	negative	15	0	100.00
Total		65	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	15	0	100.00
Total		62	0	100.00

Dientamoeba fragilis	Target Value	negative	positive	% Conform
Seegene	negative	14	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	13	0	100.00
Total		61	0	100.00

E. coli (EIEC) / Shigella	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	18	0	100.00
Seegene	negative	16	0	100.00
BD MAX	negative	6	0	100.00
Total		71	0	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	14	0	100.00
Total		62	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	13	0	100.00
BD MAX	negative	4	0	100.00
Total		65	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	15	0	100.00
BD MAX	negative	6	0	100.00
Total		70	0	100.00

E. coli O157	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	23	0	100.00
QIAstat-DX	negative	12	0	100.00
Seegene	negative	13	0	100.00
Total		48	0	100.00

Entamoeba histolytica	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	17	0	100.00
Seegene	negative	15	0	100.00
Total		63	0	100.00

Giardia lamblia	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	17	0	100.00
Seegene	negative	15	0	100.00
Total		65	0	100.00

Norovirus GI/GII	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	1	33	97.06
QIAstat-DX	positive	0	18	100.00
Total		1	51	98.08

Norovirus GI	Target Value	negative	positive	% Conform
Seegene	negative	8	0	100.00

Norovirus GII	Target Value	negative	positive	% Conform
Seegene	positive	0	8	100.00

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

Rotavirus	Target Value	negative	positive	% Conform
Seegene	negative	9	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	16	0	100.00
BD MAX	negative	6	0	100.00
Total		71	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	9	0	100.00
Total		59	0	100.00

Vibrio	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	1	30	96.77
Seegene	positive	0	12	100.00
BD MAX	positive	0	4	100.00
Total		1	46	97.87

Vibrio cholerae	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	31	100.00
QIAstat-DX	positive	0	17	100.00
Total		0	48	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	15	0	100.00
BD MAX	negative	4	0	100.00
Total		68	0	100.00

Commentary

The sample contained the following germs: *Norovirus GI*, *Clostridium difficile* and *Vibrio cholerae*

B19 Respiratory Panel NAT

Adenovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	42	100.00
QIAstat-DX	positive	0	15	100.00
Seegene	positive	0	6	100.00
Total		0	63	100.00

Bocavirus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	14	0	100.00
Seegene	negative	1	0	100.00
Total		15	0	100.00

Bordetella parapertussis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	40	1	97.56
Seegene	negative	9	0	100.00
Total		49	1	98.00

Bordetella pertussis	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	3	36	92.31
QIAstat-DX	positive	0	15	100.00
Seegene	positive	0	10	100.00
MDX liaison DiaSorin	positive	0	2	100.00
Total		3	63	95.45

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	11	0	100.00
Total		61	0	100.00

Coronavirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	8	0	100.00

Coronavirus 229E	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	15	0	100.00
Seegene	negative	1	0	100.00
Total		49	0	100.00

Coronavirus HKU1	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	15	0	100.00
Total		49	0	100.00

Coronavirus NL63	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	15	0	100.00
Seegene	negative	2	0	100.00
Total		51	0	100.00

Coronavirus OC43	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	15	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	8	0	100.00

Influenza A	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	43	100.00
QIAstat-DX	positive	0	15	100.00
Seegene	positive	0	8	100.00
Total		0	66	100.00

Influenza B	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	43	0	100.00
QIAstat-DX	negative	15	0	100.00
Seegene	negative	8	0	100.00
Total		66	0	100.00

Legionella pneumophilia	Target Value	negative	positive	% Conform
QIAstat-DX	negative	14	0	100.00
Seegene	negative	10	0	100.00
Other methods	negative	3	1	75.00
Total		27	1	96.43

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

Metapneumovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	41	1	97.62
QIAstat-DX	negative	15	0	100.00
Seegene	negative	7	0	100.00
Total		63	1	98.44

Mycoplasma pneumoniae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	44	0	100.00
QIAstat-DX	negative	15	0	100.00
Seegene	negative	11	0	100.00
Total		70	0	100.00

Parainfluenza	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	8	0	100.00
Seegene	negative	7	0	100.00
Total		15	0	100.00

Parainfluenza Virus 1	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	35	0	100.00
QIAstat-DX	negative	15	0	100.00
Seegene	negative	3	0	100.00
Total		53	0	100.00

Parainfluenza Virus 2	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

Parainfluenza Virus 3	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	35	0	100.00
QIAstat-DX	negative	15	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	35	0	100.00
QIAstat-DX	negative	15	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	15	0	100.00
Seegene	negative	4	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	15	0	100.00
Seegene	negative	7	0	100.00
Total		66	0	100.00

SARS-Cov-2	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	38	0	100.00
QIAstat-DX	negative	15	0	100.00
Seegene	negative	7	0	100.00
Total		60	0	100.00

Streptococcus pneumoniae	Target Value	negative	positive	% Conform
Seegene	negative	7	0	100.00

Commentary

The sample contained the following germs: *Adenovirus 3*, *Influenza AH1* and *Bordetella pertussis*.

B23 Meningitis Panel NAT

Cryptococcus neoformans/gattii	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	35	0	100.00
QIAstat-DX	negative	14	0	100.00
Total		49	0	100.00

Cytomegalievirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	38	0	100.00
QIAstat-DX	negative	2	0	100.00
Seegene	negative	3	0	100.00
Total		43	0	100.00

Enterovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	15	0	100.00
Seegene	negative	1	0	100.00
Total		52	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	positive	1	36	97.30
QIAstat-DX	positive	0	14	100.00
Seegene	positive	0	1	100.00
Total		1	51	98.08

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	37	0	100.00
QIAstat-DX	negative	14	0	100.00
Seegene	negative	1	0	100.00
Total		52	0	100.00

Herpes-simplex-Virus 1	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	4	0	100.00
Total		64	0	100.00

Herpes-simplex-Virus 2	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	38	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		66	0	100.00

Human herpesvirus 6 (HHV-6)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	15	0	100.00
Seegene	negative	2	0	100.00
Total		53	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	37	0	100.00
QIAstat-DX	negative	14	0	100.00
Seegene	negative	1	0	100.00
Total		52	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	negative	37	0	100.00
QIAstat-DX	negative	14	0	100.00
Seegene	negative	1	0	100.00
Total		52	0	100.00
Parechovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	1	35	97.22
QIAstat-DX	positive	0	14	100.00
Seegene	positive	0	1	100.00
Total		1	50	98.04
Streptococcus agalactiae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	14	0	100.00
Total		50	0	100.00

Streptococcus pneumoniae	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

Streptococcus pyogenes	Target Value	negative	positive	% Conform
QIAstat-DX	negative	14	0	100.00

Varizella-Zoster-Virus	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	3	0	100.00
other methods NAT	negative	3	0	100.00
Total		62	0	100.00

Commentary

The sample contained the following germs: *Parechovirus Typ 3*, *S. pneumoniae* and *E. coli*

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	negative	8	0	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	positive	0	8	100.00

B26 Enterovirus

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

B29 VanA/VanB

VRE Van A	Target Value	negative	positive	% Conform
GeneXpert	positive	1	13	92.86
Other methods	positive	0	1	100.00
Total		1	14	93.33

VRE Van B	Target Value	negative	positive	% Conform
GeneXpert	negative	14	0	100.00
Other methods	negative	1	0	100.00
Total		15	0	100.00

B31 SARS-CoV-2

SARS-CoV-2	Target Value	negative	positive	% Conform
GeneXpert	negative	43	0	100.00
cobas Liat	negative	5	0	100.00
MDX liaison DiaSorin	negative	6	0	100.00
Other methods	negative	7	0	100.00
Total		61	0	100.00

B36 SARS-CoV2+Flu+RSV

Influenza A	Target Value	negative	positive	% Conform
cobas Liat	negative	8	0	100.00
GeneXpert	negative	48	0	100.00
Other methods	negative	2	0	100.00
Total		58	0	100.00

Influenza B	Target Value	negative	positive	% Conform
cobas Liat	negative	8	0	100.00
GeneXpert	negative	47	0	100.00
Other methods	negative	3	0	100.00
Total		58	0	100.00

RSV	Target Value	negative	positive	% Conform
cobas Liat	positive	0	6	100.00
GeneXpert	positive	0	47	100.00
Other methods	positive	0	3	100.00
Total		0	56	100.00

SARS CoV-2	Target Value	negative	positive	% Conform
cobas Liat	negative	8	0	100.00
GeneXpert	negative	49	0	100.00
Other methods	negative	2	0	100.00
Total		59	0	100.00

V07 HIV-1 WB NAT

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