

Report MQ 2026/3 Microbiology: Molecular diagnostics

28.09.2026 V1.0

Summary

Sample		Results	Good	% Good
B11	Chlamydia trachomatis/Neisseria gonorrhoeae	121	118	97.52 %
B12	Staphylococcus aureus, MRSA	35	35	100.00 %
B13	Clostridium difficile	88	85	96.59 %
B14	Group B streptococcus	45	45	100.00 %
B15	Norovirus	70	69	98.57 %
B16	Influenzavirus/RSV	149	149	100.00 %
B17	Mycobacterium tuberculosis	32	32	100.00 %
B18	Gastrointestinal Panel NAT	1476	1476	100.00 %
B19	Respiratory Panel NAT	1272	1262	99.21 %
B23	Meningitis Panel NAT	827	827	100.00 %
B25	Carba-R	34	34	100.00 %
B26	Enterovirus	6	6	100.00 %
B29	VanA/VanB	32	32	100.00 %
B31	SARS-CoV-2	52	51	98.08 %
B36	SARS-CoV2+Flu+RSV	239	238	99.58 %
V07	HIV-1 WB NAT	4	4	100.00 %
Total		4482	4463	99.58 %

B11 Chlamydia trachomatis/Neisseria gonorrhoeae

Chlamydia trachomatis (CT)	Target Value	negative	positive	% Conform
GeneXpert	negative	34	0	100.00
Other methods	negative	26	0	100.00
Total		60	0	100.00

Neisseria gonorrhoeae (NG)	Target Value	negative	positive	% Conform
GeneXpert	positive	0	34	100.00
Other methods	positive	3	24	88.89
Total		3	58	95.08

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	positive	0	2	100.00

B13 Clostridium difficile

Clostridium difficile	Target Value	negative	border	positive	% Conform
GeneXpert	positive	1	0	30	96.77
Other methods	positive	0	0	1	100.00
Total		1	0	31	96.88

Binary Toxin	Target Value	negative	border	positive	% Conform
GeneXpert	positive	1	0	27	96.43

Ribotype 027	Target Value	negative	border	positive	% Conform
GeneXpert	Borderline/pos	1	2	25	96.43

B14 Group B streptococcus

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

B15 Norovirus

Norovirus	Target Value	negative	positive	% Conform
GeneXpert	positive	1	67	98.53
Other methods	positive	0	2	100.00
Total		1	69	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	5	0	100.00
Total		47	0	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	5	0	100.00
Total		51	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	5	0	100.00
Total		51	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	9	0	100.00

B18 Gastrointestinal Panel NAT

Adenovirus	Target Value	negative	positive	% Conform
Seegene	negative	10	0	100.00

Adenovirus F40/41	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	35	0	100.00
QIAstat-DX	negative	16	0	100.00
Total		51	0	100.00

Aeromonas	Target Value	negative	positive	% Conform
Seegene	negative	11	0	100.00

Astrovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	35	100.00
QIAstat-DX	positive	0	16	100.00
Seegene	positive	0	10	100.00
Total		0	61	100.00

Blastocystis hominis	Target Value	negative	positive	% Conform
Seegene	negative	15	0	100.00

Campylobacter	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	33	100.00
QIAstat-DX	positive	0	17	100.00
Seegene	positive	0	17	100.00
BD MAX	positive	0	7	100.00
Total		0	74	100.00

Clostridium difficile	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	17	0	100.00
Seegene	negative	12	0	100.00
Total		63	0	100.00

Cryptosporidium	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	35	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	16	0	100.00
Total		67	0	100.00

Cyclospora cayetanensis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	15	0	100.00
Seegene	negative	16	0	100.00
Total		64	0	100.00

Dientamoeba fragilis	Target Value	negative	positive	% Conform
Seegene	negative	15	0	100.00

E. coli (EAEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	15	0	100.00
Total		64	0	100.00

E. coli (EIEC) / Shigella	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	17	0	100.00
Seegene	negative	17	0	100.00
BD MAX	negative	7	0	100.00
Total		74	0	100.00

E. coli (EPEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	15	0	100.00
Total		64	0	100.00

E. coli (ETEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	14	0	100.00
BD MAX	negative	5	0	100.00
Total		68	0	100.00

E. coli (STEC)	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
BD MAX	negative	7	0	100.00
Total		72	0	100.00

E. coli O157	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	24	0	100.00
QIAstat-DX	negative	11	0	100.00
Seegene	negative	14	0	100.00
Total		49	0	100.00

Entamoeba histolytica	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	16	0	100.00
Total		66	0	100.00

Giardia lamblia	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	35	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	16	0	100.00
Total		67	0	100.00

Norovirus GI/GII	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	17	0	100.00
Total		53	0	100.00

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

Norovirus GII	Target Value	negative	positive	% Conform
Seegene	negative	8	0	100.00
Plesiomonas shigelloides	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	16	0	100.00
BD MAX	negative	4	0	100.00
Total		54	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	36	0	100.00
QIAstat-DX	negative	17	0	100.00
Total		53	0	100.00
Salmonella	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	33	100.00
QIAstat-DX	positive	0	17	100.00
Seegene	positive	0	17	100.00
BD MAX	positive	0	7	100.00
Total		0	74	100.00
Sapovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	35	0	100.00
QIAstat-DX	negative	16	0	100.00
Seegene	negative	9	0	100.00
Total		60	0	100.00

Vibrio	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
Seegene	negative	13	0	100.00
BD MAX	negative	4	0	100.00
Total		49	0	100.00

Vibrio cholerae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	16	0	100.00
Total		49	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	33	0	100.00
QIAstat-DX	negative	17	0	100.00
Seegene	negative	16	0	100.00
BD MAX	negative	4	0	100.00
Total		70	0	100.00

Commentary

The sample contained the following germs: *Astrovirus*, *S. enterica typhimurium* and *C. coli*

B19 Respiratory Panel NAT

Adenovirus	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	42	0	0	100.00
QIAstat-DX	negative	17	0	0	100.00
Seegene	negative	7	0	0	100.00
Total		66	0	0	100.00

Bocavirus	Target Value	negative	border	positive	% Conform
QIAstat-DX	negative	16	0	0	100.00

Bordetella parapertussis	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	40	0	0	100.00
Seegene	negative	10	0	0	100.00
Total		50	0	0	100.00

Bordetella pertussis	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	38	0	0	100.00
QIAstat-DX	negative	17	0	0	100.00
Seegene	negative	11	0	0	100.00
MDX liaison DiaSorin	negative	2	0	0	100.00
Total		68	0	0	100.00

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

Chlamydophila pneumoniae	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	positive	2	0	41	95.35
QIAstat-DX	positive	1	0	15	93.75
Seegene	positive	0	0	12	100.00
Total		3	0	68	95.77

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

Coronavirus 229E	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	33	0	0	100.00
QIAstat-DX	negative	17	0	0	100.00
Seegene	negative	1	0	0	100.00
Total		51	0	0	100.00

Coronavirus HKU1	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	33	0	0	100.00
QIAstat-DX	negative	17	0	0	100.00
Total		50	0	0	100.00

Coronavirus NL63	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	33	0	0	100.00
QIAstat-DX	negative	17	0	0	100.00
Seegene	negative	1	0	0	100.00
Total		51	0	0	100.00

Coronavirus OC43	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	33	0	0	100.00
QIAstat-DX	negative	17	0	0	100.00
Seegene	negative	2	0	0	100.00
Total		52	0	0	100.00
Enterovirus	Target Value	negative	border	positive	% Conform
Seegene	negative	3	0	0	100.00
Haemophilus influenzae	Target Value	negative	border	positive	% Conform
Seegene	negative	9	0	0	100.00
Influenza A	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	42	0	1	97.67
QIAstat-DX	negative	17	0	0	100.00
Seegene	negative	8	0	0	100.00
Total		67	0	1	98.53
Influenza B	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	positive	1	0	42	97.67
QIAstat-DX	positive	0	1	16	94.12
Seegene	positive	0	0	8	100.00
Total		1	1	66	97.06
Legionella pneumophila	Target Value	negative	border	positive	% Conform
QIAstat-DX	negative	16	0	0	100.00
Seegene	negative	11	0	0	100.00
Other methods	negative	3	0	0	100.00
Total		30	0	0	100.00

MERS-CoV	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	36	0	0	100.00
Metapneumovirus	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	42	0	0	100.00
QIAstat-DX	negative	17	0	0	100.00
Seegene	negative	8	0	0	100.00
Total		67	0	0	100.00
Mycoplasma pneumoniae	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	42	0	1	97.67
QIAstat-DX	negative	17	0	0	100.00
Seegene	negative	12	0	0	100.00
Total		71	0	1	98.61
Parainfluenza	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	8	0	0	100.00
Seegene	negative	7	0	0	100.00
Total		15	0	0	100.00
Parainfluenza Virus 1	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	34	0	0	100.00
QIAstat-DX	negative	17	0	0	100.00
Seegene	negative	3	0	0	100.00
Total		54	0	0	100.00

Parainfluenza Virus 2	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	35	0	0	100.00
QIAstat-DX	negative	17	0	0	100.00
Seegene	negative	2	0	0	100.00
Total		54	0	0	100.00

Parainfluenza Virus 3	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	34	0	0	100.00
QIAstat-DX	negative	17	0	0	100.00
Seegene	negative	3	0	0	100.00
Total		54	0	0	100.00

Parainfluenza Virus 4	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	34	0	0	100.00
QIAstat-DX	negative	17	0	0	100.00
Seegene	negative	3	0	0	100.00
Total		54	0	0	100.00

Rhinovirus	Target Value	negative	border	positive	% Conform
Seegene	negative	4	0	0	100.00

Rhinovirus/Enterovirus	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	42	0	0	100.00
QIAstat-DX	negative	17	0	0	100.00
Seegene	negative	4	0	0	100.00
Total		63	0	0	100.00

Respiratory Syncytial Virus	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	positive	1	0	42	97.67
QIAstat-DX	positive	0	0	17	100.00
Seegene	positive	1	0	6	85.71
Total		2	0	65	97.01

SARS-Cov-2	Target Value	negative	border	positive	% Conform
Biofire/Filmarray	negative	37	0	1	97.37
QIAstat-DX	negative	17	0	0	100.00
Seegene	negative	6	0	0	100.00
Total		60	0	1	98.36

Streptococcus pneumoniae	Target Value	negative	border	positive	% Conform
Seegene	negative	8	0	0	100.00

Commentary

The sample contained the following germs: *Influenza B*, *C. pneumoniae* and *RSV A*

B23 Meningitis Panel NAT

Cryptococcus neoformans/gattii	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	37	0	100.00
QIAstat-DX	negative	15	0	100.00
Total		52	0	100.00

Cytomegalievirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	40	0	100.00
QIAstat-DX	negative	4	0	100.00
Seegene	negative	3	0	100.00
Total		47	0	100.00

Enterovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	38	100.00
QIAstat-DX	positive	0	16	100.00
Seegene	positive	0	1	100.00
Total		0	55	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	39	0	100.00
QIAstat-DX	negative	15	0	100.00
Seegene	negative	1	0	100.00
Total		55	0	100.00

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

Haemophilus influenzae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	40	0	100.00
QIAstat-DX	negative	15	0	100.00
Seegene	negative	1	0	100.00
Total		56	0	100.00

Herpes-simplex-Virus 1	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	39	0	100.00
QIAstat-DX	negative	17	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		67	0	100.00

Herpes-simplex-Virus 2	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	39	0	100.00
QIAstat-DX	negative	17	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		68	0	100.00

Human herpesvirus 6 (HHV-6)	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	38	100.00
QIAstat-DX	positive	0	16	100.00
Seegene	positive	0	2	100.00
Total		0	56	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	39	0	100.00
QIAstat-DX	negative	15	0	100.00
Seegene	negative	1	0	100.00
Total		55	0	100.00

Mycoplasma pneumoniae	Target Value	negative	positive	% Conform
QIAstat-DX	negative	15	0	100.00

Neisseria meningitidis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	40	0	100.00
QIAstat-DX	negative	15	0	100.00
Seegene	negative	1	0	100.00
Total		56	0	100.00

Parechovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	37	0	100.00
QIAstat-DX	negative	13	0	100.00
Seegene	negative	1	0	100.00
Total		51	0	100.00

Streptococcus agalactiae	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	39	100.00
QIAstat-DX	positive	0	15	100.00
Total		0	54	100.00

Streptococcus pneumoniae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	40	0	100.00
QIAstat-DX	negative	15	0	100.00
Seegene	negative	1	0	100.00
Total		56	0	100.00

Streptococcus pyogenes	Target Value	negative	positive	% Conform
QIAstat-DX	negative	16	0	100.00

Varizella-Zoster-Virus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	39	0	100.00
QIAstat-DX	negative	17	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		65	0	100.00

Commentary

The sample contained the following germs: *S. agalactiae*, *Echovirus Type 11* and *HHV6*

B25 Carba-R

Carba-R (IMP1)	Target Value	negative	positive	% Conform
GeneXpert	negative	6	0	100.00

Carba-R (KPC)	Target Value	negative	positive	% Conform
GeneXpert	positive	0	7	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	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	negative	16	0	100.00

VRE Van B	Target Value	negative	positive	% Conform
GeneXpert	positive	0	16	100.00

B31 SARS-CoV-2

SARS-CoV-2	Target Value	negative	positive	% Conform
GeneXpert	positive	0	39	100.00
cobas Liat	positive	0	4	100.00
MDX liaison DiaSorin	positive	0	6	100.00
Other methods	positive	1	2	66.67
Total		1	51	98.08

B36 SARS-CoV2+Flu+RSV

Influenza A	Target Value	negative	positive	% Conform
cobas Liat	negative	8	0	100.00
GeneXpert	negative	51	0	100.00
Other methods	negative	1	0	100.00
Total		60	0	100.00

Influenza B	Target Value	negative	positive	% Conform
cobas Liat	negative	8	0	100.00
GeneXpert	negative	50	0	100.00
Other methods	negative	2	0	100.00
Total		60	0	100.00

RSV	Target Value	negative	positive	% Conform
cobas Liat	negative	6	0	100.00
GeneXpert	negative	50	0	100.00
Other methods	negative	2	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	positive	1	0	0.00
Total		1	60	98.36

V07 HIV-1 WB NAT

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