

Report MQ 2022/3 Microbiology: Molecular diagnostics

Summary

Sample	Results	Good	% Good
B11 Chlamydia trachomatis/Neisseria gonorrhoe	70	70	100.00
B12 Staphylococcus aureus, MRSA	33	33	100.00
B13 Clostridium difficile	27	26	96.30
B14 Streptococcus Gruppe B	32	31	96.88
B15 Norovirus	62	62	100.00
B16 Influenzavirus/RSV	197	197	100.00
B17 Mycobacterium tuberculosis	20	20	100.00
B25 Carba-R	36	36	100.00
B26 Enterovirus	5	5	100.00
B29 VanA/VanB	10	10	100.00
B31 SARS-CoV-2	115	115	100.00
B18 Gastrointestinall Panel NAT	674	672	99.70
B19 Respiratory Panel NAT	712	712	100.00
B23 Meningitis Panel NAT	335	335	100.00
Total	2328	2324	99.83

B11 Chlamydia trachomatis/Neisseria gonorrhoeae

Chlamydia trachomatis (CT)	Target Value	negative	positive	% Conform
Genexpert	negative	27	0	100.00
Other methods	negative	8	0	100.00
Total		35	0	100.00

Neisseria gonorrhoeae (NG)	Target Value	negative	positive	% Conform
Genexpert	negative	27	0	100.00
Other methods	negative	8	0	100.00
Total		35	0	100.00

B12 Staphylococcus aureus, MRSA

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

MRSA	Target Value	negative	positive	% Conform
Genexpert	positive	0	31	100.00

B13 Clostridium difficile

	Target Value	negative	positive	% Conform
Genexpert	positive	1	25	96.15
Other methods	positive	0	1	100.00
Total		1	26	96.30

B14 Streptococcus Gruppe B

	Target Value	negative	positive	% Conform
Genexpert	positive	1	31	96.88

B15 Norovirus

	Target Value	negative	positive	% Conform
Genexpert	negative	62	0	100.00

B16 Influenzavirus/RSV

Influenza A	Target Value	negative	positive	% Conform
Genexpert	negative	58	0	100.00
Abbott ID NOW	negative	4	0	100.00
cobas Liat	negative	3	0	100.00
Other methods	negative	5	0	100.00
Total		70	0	100.00

Influenza B	Target Value	negative	positive	% Conform
Genexpert	negative	57	0	100.00
Abbott ID NOW	negative	4	0	100.00
cobas Liat	negative	3	0	100.00
Other methods	negative	4	0	100.00
Total		68	0	100.00

RSV	Target Value	negative	positive	% Conform
Genexpert	positive	0	55	100.00
cobas Liat	positive	0	1	100.00
Other methods	positive	0	3	100.00
Total		0	59	100.00

B17 Mycobacterium tuberculosis

	Target Value	negative	positive	% Conform
Genexpert	positive	0	20	100.00

B25 Carba-R

Carba R	Target Value	negative	positive	% Conform
Genexpert	negative	1	0	100.00

Carba-R (IMP1)	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

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

B26 Enterovirus

	Target Value	negative	positive	% Conform
Genexpert	positive	0	5	100.00

B29 VanA/VanB

	Target Value	negative	positive	% Conform
Genexpert	positive	0	10	100.00

B31 SARS-CoV-2

	Target Value	negative	positive	% Conform
Genexpert	positive	0	54	100.00
BD MAX	positive	0	7	100.00
MDX liaison DiaSorin	positive	0	13	100.00
Ender MASS	positive	0	1	100.00
cobas Liat	positive	0	13	100.00
Other methods	positive	0	27	100.00
Total		0	115	100.00

B18 Gastrointestinal Panel NAT

Campylobacter	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	1	26	96.30
QIAstat-DX	positive	0	5	100.00
BD MAX	positive	0	2	100.00
MDX liaison DiaSorin	positive	0	1	100.00
Total		1	34	97.14

Clostridium difficile	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	26	0	100.00
QIAstat-DX	negative	5	0	100.00
Total		31	0	100.00

Plesiomonas shigelloides	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	25	100.00
QIAstat-DX	positive	0	5	100.00
BD MAX	positive	0	2	100.00
Total		0	32	100.00

Salmonella	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	27	0	100.00
QIAstat-DX	negative	5	0	100.00
BD MAX	negative	2	0	100.00
MDX liaison DiaSorin	negative	1	0	100.00
Total		35	0	100.00

Vibrio	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	26	0	100.00
BD MAX	negative	2	0	100.00
Total		28	0	100.00

Vibrio cholerae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	23	0	100.00
QIAstat-DX	negative	4	0	100.00
Total		27	0	100.00

Yersinia enterocolitica	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	27	0	100.00
QIAstat-DX	negative	5	0	100.00
BD MAX	negative	2	0	100.00
Total		34	0	100.00

E. coli (EAEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	24	1	96.00
QIAstat-DX	negative	4	0	100.00
Total		28	1	96.55

E. coli (EPEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	24	0	100.00
QIAstat-DX	negative	3	0	100.00
Total		27	0	100.00

E. coli (ETEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	26	0	100.00
QIAstat-DX	negative	4	0	100.00
BD MAX	negative	2	0	100.00
Total		32	0	100.00

E. coli (STEC)	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	27	0	100.00
QIAstat-DX	negative	5	0	100.00
BD MAX	negative	2	0	100.00
Total		34	0	100.00

E. coli O157	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	22	0	100.00
QIAstat-DX	negative	2	0	100.00
Total		24	0	100.00

E. coli (EIEC) / Shigella	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	27	0	100.00
QIAstat-DX	negative	4	0	100.00
BD MAX	negative	2	0	100.00
MDX liaison DiaSorin	negative	1	0	100.00
Total		34	0	100.00

Cryptosporidium	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	26	0	100.00
QIAstat-DX	negative	4	0	100.00
Total		30	0	100.00

Cyclospora cayetanensis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	25	0	100.00
QIAstat-DX	negative	4	0	100.00
Total		29	0	100.00

Entamoeba histolytica	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	26	0	100.00
QIAstat-DX	negative	4	0	100.00
Total		30	0	100.00

Giardia lamblia	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	26	100.00
QIAstat-DX	positive	0	4	100.00
Total		0	30	100.00

Adenovirus F40/41	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	25	0	100.00
QIAstat-DX	negative	4	0	100.00
Total		29	0	100.00

Astrovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	25	0	100.00
QIAstat-DX	negative	4	0	100.00
Total		29	0	100.00

Norovirus GI/GII	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	25	0	100.00
QIAstat-DX	negative	5	0	100.00
Total		30	0	100.00

Rotavirus A	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	25	0	100.00
QIAstat-DX	negative	5	0	100.00
Total		30	0	100.00

Sapovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	25	0	100.00
QIAstat-DX	negative	4	0	100.00
Total		29	0	100.00

Vibrio parahaemolyticus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	3	0	100.00

Vibrio vulnificus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	3	0	100.00

B19 Respiratory Panel NAT

Adenovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	31	100.00
QIAstat-DX	positive	0	5	100.00
Total		0	36	100.00

Bocavirus	Target Value	negative	positive	% Conform
QIAstat-DX	negative	5	0	100.00

Coronavirus 229E	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	5	0	100.00
Total		36	0	100.00

Coronavirus HKU1	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	5	0	100.00
Total		35	0	100.00

Coronavirus NL63	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	5	0	100.00
Total		36	0	100.00

Coronavirus OC43	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	5	0	100.00
Total		36	0	100.00

MERS-CoV	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	28	0	100.00

SARS-Cov-2	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	5	0	100.00
Total		35	0	100.00

Metapneumovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	5	0	100.00
Total		36	0	100.00

Rhinovirus/Enterovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	5	0	100.00
Total		36	0	100.00

Influenza A	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	31	100.00
QIAstat-DX	positive	0	5	100.00
Total		0	36	100.00

Influenza B	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	5	0	100.00
Total		36	0	100.00

Parainfluenza Virus 1	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	5	0	100.00
Total		36	0	100.00

Parainfluenza Virus 2	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	5	0	100.00
Total		36	0	100.00

Parainfluenza Virus 3	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	5	0	100.00
Total		36	0	100.00

Parainfluenza Virus 4	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	5	0	100.00
Total		36	0	100.00

Respiratory Syncytial Virus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	5	0	100.00
Total		36	0	100.00

Bordetella parapertussis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00

Bordetella pertussis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	5	0	100.00
MDX liaison DiaSorin	negative	1	0	100.00
Total		37	0	100.00

Legionella pneumophilia	Target Value	negative	positive	% Conform
Other methods	negative	1	0	100.00
QIAstat-DX	negative	4	0	100.00
Total		5	0	100.00

Chlamydomphila pneumoniae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
MDX liaison DiaSorin	negative	1	0	100.00
Total		32	0	100.00

Mycoplasma pneumoniae	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	31	100.00
QIAstat-DX	positive	0	5	100.00
MDX liaison DiaSorin	positive	0	1	100.00
Total		0	37	100.00

B23 Meningitis Panel NAT

Escherichia coli K1	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	22	100.00

Haemophilus influenzae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	23	0	100.00

Listeria monocytogenes	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	23	0	100.00

Neisseria meningitidis	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	23	0	100.00

Streptococcus agalactiae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	23	0	100.00

Streptococcus pneumoniae	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	24	0	100.00

Zytomegalievirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	24	0	100.00

Enterovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	22	100.00

Herpes-simplex-Virus 1	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	25	0	100.00
MDX liaison DiaSorin	negative	3	0	100.00
other methods NAT	negative	1	0	100.00
Total		29	0	100.00

Herpes-simplex-Virus 2	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	25	0	100.00
MDX liaison DiaSorin	negative	3	0	100.00
other methods NAT	negative	1	0	100.00
Total		29	0	100.00

Herpesvirus 6	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	22	0	100.00

Parechovirus	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	22	0	100.00

Varizella-Zoster-Virus	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	24	100.00
MDX liaison DiaSorin	positive	0	2	100.00
other methods NAT	positive	0	2	100.00
Total		0	28	100.00

Cryptococcus neoformans/gattii	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	20	0	100.00

Herpes-simplex-Virus 1/2	Target Value	negative	positive	% Conform
all Participants	negative	1	0	100.00