

Report MQ 2022/4 Microbiology: Antibody and antigen tests

Summary

Sample	Results	Good	% Good
B01 Strep A	1193	1180	98.91
B04 Rubella	38	38	100.00
B05 Toxoplasmose	21	21	100.00
B06 Syphilis	59	52	88.14
B07 Cytomegalie	26	26	100.00
B08 Varicella	49	45	91.84
H11 Malaria rapid test	159	159	100.00
B20 Epstein-Bar-Virus	128	123	96.09
B21 Legionella urine	74	73	98.65
B22 S. pneumoniae urine	58	58	100.00
B24 RSV/Influenza rapid test	15	13	86.67
B27 Helicobacter Pylori Antigen	48	45	93.75
B30 Rota-/Adeno-/Norovirus Ag	40	40	100.00
B32 SARS-CoV-2 Antibody	50	48	96.00
B33 SARS-CoV-2 Ag	177	169	95.48
V01 HIV Schnelltest	28	25	89.29
Total	2163	2115	97.78

B01 Strep A

	Target Value	negative	positive	% Conform
Rapid Test	negative	1168	13	98.90
Abbott	negative	3	0	100.00
NeoStrepA, Intex	negative	2	0	100.00
Other methods	negative	7	0	100.00
Total		1180	13	98.91

Commentary B01

A simulated throat swab no contained pathogenic germs. The correct result was "Strep-A positif".

B04 Rubella

Rubella IgG	Target Value	negative	positive	% Conform
all Participants	not rateable	12	7	100.00

Rubella IgM	Target Value	negative	positive	% Conform
all Participants	negative	19	0	100.00

B05 Toxoplasmosis

Toxoplasma IgG	Target Value	negative	positive	% Conform
all Participants	positive	0	11	100.00

Toxoplasma IgM	Target Value	negative	positive	% Conform
all Participants	negative	10	0	100.00

B06 Syphilis

Syphilis TPPA	Target Value	negative	positive	% Conform
all Participants	positive	1	17	94.44

Treponema IgG	Target Value	negative	positive	% Conform
all Participants	positive	1	6	85.71

Treponema IgM	Target Value	negative	positive	% Conform
all Participants	positive	2	2	50.00

Lues RPR/VDRL	Target Value	negative	positive	% Conform
all Participants	positive	1	15	93.75

Treponema IgG/IgM	Target Value	negative	positive	% Conform
all Participants	positive	1	7	87.50

Treponema FTA-ABS	Target Value	negative	positive	% Conform
all Participants	negative	1	0	100.00

Lues TPHA	Target Value	negative	positive	% Conform
all Participants	positive	1	4	80.00

B07 Cytomegalie

Cytomegalovirus IgG	Target Value	negative	positive	% Conform
all Participants	positive	0	14	100.00

Cytomegalovirus IgM	Target Value	negative	positive	% Conform
all Participants	negative	12	0	100.00

B08 Varicella

Varicellen IgG	Target Value	negative	positive	% Conform
all Participants	positive	1	23	95.83

Varicellen IgM	Target Value	negative	positive	% Conform
all Participants	negative	13	3	81.25

HSV1 IgG	Target Value	negative	positive	% Conform
Other methods	negative	3	0	100.00

HSV2 IgG	Target Value	negative	positive	% Conform
Other methods	negative	3	0	100.00

HSV1/2 IgM	Target Value	negative	positive	% Conform
Other methods	negative	3	0	100.00

H11 Malaria rapid test

Plasmodium sp (Pan)	Target Value	negative	positive	% Conform
Paramax	negative	29	0	100.00
BinaxNOW	negative	13	0	100.00
Illumipro-10	negative	1	0	100.00
Total		43	0	100.00

Plasmodium falciparum (Pf/T1)	Target Value	negative	positive	% Conform
Paramax	negative	33	0	100.00
BinaxNOW	negative	29	0	100.00
Total		62	0	100.00

Plasmodium Pv/Po/Pm	Target Value	negative	positive	% Conform
Paramax	negative	29	0	100.00
BinaxNOW	negative	25	0	100.00
Total		54	0	100.00

B20 Epstein-Bar-Virus

EBV heterophilic antibodies	Target Value	negative	positive	% Conform
Rapid Test	negative	42	0	100.00

EBV EBNA-1 IgG	Target Value	negative	positive	% Conform
Architect	positive	0	6	100.00
Other methods	positive	2	21	91.30
Total		2	27	93.10

EBV VCA-IgG	Target Value	negative	positive	% Conform
Architect	positive	0	7	100.00
Other methods	positive	0	23	100.00
Total		0	30	100.00

EBV VCA-IgM	Target Value	negative	positive	% Conform
Architect	negative	6	1	85.71
Other methods	negative	18	2	90.00
Total		24	3	88.89

B21 Legionella urine

	Target Value	negative	positive	% Conform
Quidel Sofia	negative	20	1	95.24
BinaxNOW	negative	36	0	100.00
Other methods	negative	17	0	100.00
Total		73	1	98.65

B22 S. pneumoniae urine

	Target Value	negative	positive	% Conform
Quidel Sofia	negative	20	0	100.00
BinaxNOW	negative	27	0	100.00
Other methods	negative	11	0	100.00
Total		58	0	100.00

B24 RSV/Influenza rapid test

RSV Antigen	Target Value	negative	positive	% Conform
Quidel Sofia	positive	0	1	100.00
BinaxNOW	positive	0	3	100.00
Other methods	positive	2	6	75.00
Total		2	10	83.33

Influenza Ag	Target Value	negative	positive	% Conform
Other methods	negative	3	0	100.00

B27 Helicobacter Pylori Antigen

	Target Value	negative	positive	% Conform
Rapid Test	negative	19	0	100.00
Meridian STAT! HpSA	negative	5	3	62.50
Liaison	negative	10	0	100.00
CerTest Biotec	negative	7	0	100.00
Oxoid RAPID Hp StAR	negative	4	0	100.00
Total		45	3	93.75

B30 Rota-/Adeno-/Norovirus Ag

Rotavirus Ag	Target Value	negative	positive	% Conform
all Participants	negative	18	0	100.00

Adenovirus Ag	Target Value	negative	positive	% Conform
all Participants	negative	18	0	100.00

Norovirus Ag	Target Value	negative	positive	% Conform
all Participants	negative	4	0	100.00

B32 SARS-CoV-2 Antibody

SARS-CoV-2 IgG/A/M	Target Value	negative	positive	% Conform
all Participants	positive	0	2	100.00
Roche, Cobas	positive	0	4	100.00
Total		0	6	100.00

SARS-CoV-2 IgG	Target Value	negative	positive	% Conform
all Participants	positive	0	10	100.00

SARS-CoV-2 IgM	Target Value	negative	positive	% Conform
all Participants	negative	4	0	100.00

SARS-CoV-2 IgG Spike 1	Target Value	negative	positive	% Conform
all Participants	positive	0	21	100.00

SARS-CoV-2 IgG NCP	Target Value	negative	positive	% Conform
all Participants	positive	2	3	60.00

SARS-CoV-2 IgG Spike 2 Ak	Target Value	negative	positive	% Conform
all Participants	positive	0	4	100.00

B33 SARS-CoV-2 Ag

	Target Value	negative	positive	% Conform
Roche	positive	5	85	94.44
Abbott Panbio	positive	1	21	95.45
Other methods	positive	2	63	96.92
Total		8	169	95.48

V01 HIV Schnelltest

	Target Value	negative	positive	% Conform
Determine HIV 1/2	positive	2	15	88.24
Other methods	positive	1	10	90.91
Total		3	25	89.29
