

Report MQ 2023/3 Microbiology: Antibody and antigen tests

Summary

Sample	Results	Good	% Good
B01 Strep A	1237	1224	98.95
B04 Rubella	50	50	100.00
B05 Toxoplasmosis	34	34	100.00
B06 Syphilis	61	60	98.36
B07 Cytomegalie	43	43	100.00
B08 Varicella	60	60	100.00
H11 Malaria rapid test / NAT	83	80	96.39
B20 Epstein-Bar-Virus	140	140	100.00
B21 Legionella antigenurine	75	74	98.67
B22 S. pneumoniae antigen urine	65	65	100.00
B24 RSV/Influenza rapid test	22	20	90.91
B27 Helicobacter Pylori Antigen	65	61	93.85
B30 Rota-/Adeno-/Norovirus Ag	54	52	96.30
B32 SARS-CoV-2 Antibody	30	29	96.67
B33 SARS-CoV-2 Ag	84	82	97.62
V01 HIV Schnelltest	26	26	100.00
B34 FSME IgG/IgM	8	8	100.00
B35 Masern/Parvovirus IgG/IgM	26	26	100.00
B36 SARS-CoV2+Flu+RSV	161	158	98.14
B39 Mycobacteria, microscopy	54	54	100.00
B42 HIV, Hepatitis B/C, Serologie	308	308	100.00
B43 Hepatitis A IgG / IgM	35	35	100.00
B44 Hepatitis E IgG / IgM	20	20	100.00
Total	2741	2709	98.83

B01 Strep A

	Target Value	negative	positive	% Conform
Rapid Test	negative	1206	12	99.01
Abbott	negative	3	0	100.00
NeoStrepA, Intex	negative	4	0	100.00
Quick Vue In-Line	negative	2	0	100.00
Other methods	negative	9	1	90.00
Total		1224	13	98.95

Commentary B01

The correct result was "Strep-A positive".

B04 Rubella

Rubella IgG	Target Value	negative	positive	% Conform
all Participants	positive	0	26	100.00

Rubella IgM	Target Value	negative	positive	% Conform
all Participants	negative	24	0	100.00

B05 Toxoplasmosis

Toxoplasma IgG	Target Value	negative	positive	% Conform
all Participants	negative	17	0	100.00

Toxoplasma IgM	Target Value	negative	positive	% Conform
all Participants	negative	17	0	100.00

B06 Syphilis

Syphilis TPPA	Target Value	negative	positive	% Conform
all Participants	positive	0	17	100.00

Treponema IgG	Target Value	negative	positive	% Conform
EIA	positive	0	6	100.00

Treponema IgM	Target Value	negative	positive	% Conform
EIA	positive	0	5	100.00

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

Treponema Ig (Screening)	Target Value	negative	positive	% Conform
all Participants	positive	0	11	100.00

Treponema TPHA	Target Value	negative	positive	% Conform
all Participants	positive	0	6	100.00

B07 Cytomegalie

Cytomegalovirus IgG	Target Value	negative	positive	% Conform
all Participants	negative	22	0	100.00

Cytomegalovirus IgM	Target Value	negative	positive	% Conform
all Participants	negative	21	0	100.00

B08 Varicella

Varicellen IgG	Target Value	negative	positive	% Conform
all Participants	positive	0	31	100.00

Varicellen IgM	Target Value	negative	positive	% Conform
all Participants	negative	18	0	100.00

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

HSV2 IgG	Target Value	negative	positive	% Conform
Other methods	negative	4	0	100.00

HSV1/2 IgM	Target Value	negative	positive	% Conform
Other methods	negative	4	0	100.00

H11 Malaria rapid test / NAT

	Target Value	negative	positive	% Conform
Paramax	positive	1	27	96.43
BinaxNOW	positive	1	32	96.97
SD-Biosensor	positive	0	14	100.00
Illumipro-10	positive	1	1	50.00
Other methods	positive	0	6	100.00
Total		3	80	96.39

Commentary H11

The sample contained Plasmodium falciparum.

B20 Epstein-Bar-Virus

EBV heterophilic antibodies	Target Value	negative	positive	% Conform
Rapid Test	negative	50	0	100.00

EBV EBNA-1 IgG	Target Value	negative	positive	% Conform
Abbott	positive	0	6	100.00
Liaison	positive	0	6	100.00
VIDAS	positive	0	6	100.00
Other methods	positive	0	11	100.00
Total		0	29	100.00

EBV VCA-IgG	Target Value	negative	positive	% Conform
Abbott	positive	0	7	100.00
Liaison	positive	0	6	100.00
VIDAS	positive	0	6	100.00
Other methods	positive	0	11	100.00
Total		0	30	100.00

EBV VCA-IgM	Target Value	negative	positive	% Conform
Abbott	negative	6	0	100.00
Liaison	negative	6	0	100.00
VIDAS	negative	6	0	100.00
Other methods	negative	13	0	100.00
Total		31	0	100.00

B21 Legionella antigenurine

	Target Value	negative	positive	% Conform
Quidel Sofia	positive	0	20	100.00
BinaxNOW	positive	1	33	97.06
Other methods	positive	0	21	100.00
Total		1	74	98.67

B22 S. pneumoniae antigen urine

	Target Value	negative	positive	% Conform
Quidel Sofia	negative	18	0	100.00
BinaxNOW	negative	29	0	100.00
Other methods	negative	18	0	100.00
Total		65	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	4	100.00
Other methods	positive	2	9	81.82
Total		2	14	87.50

Influenza Ag	Target Value	negative	positive	% Conform
Other methods	negative	6	0	100.00

B27 Helicobacter Pylori Antigen

	Target Value	negative	positive	% Conform
Rapid Test	negative	30	0	100.00
Meridian STAT! HpSA	positive	4	4	50.00
Liaison	negative	15	0	100.00
CerTest Biotec	negative	7	0	100.00
Oxoid RAPID Hp StAR	negative	5	0	100.00
Total		61	4	93.85

B30 Rota-/Adeno-/Norovirus Ag

Rotavirus Ag	Target Value	negative	positive	% Conform
all Participants	negative	23	0	100.00

Adenovirus Ag	Target Value	negative	positive	% Conform
all Participants	negative	23	0	100.00

Norovirus Ag	Target Value	negative	positive	% Conform
all Participants	positive	2	6	75.00

B32 SARS-CoV-2 Antibody

SARS-CoV-2 IgG/A/M	Target Value	negative	positive	% Conform
Roche, Cobas	negative	2	1	66.67

SARS-CoV-2 IgG	Target Value	negative	positive	% Conform
all Participants	positive	0	5	100.00

SARS-CoV-2 IgM	Target Value	negative	positive	% Conform
all Participants	negative	1	0	100.00

SARS-CoV-2 IgG Spike 1	Target Value	negative	positive	% Conform
all Participants	positive	0	14	100.00

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

SARS-CoV-2 IgG Spike 2 Ak	Target Value	negative	positive	% Conform
all Participants	positive	0	3	100.00

B33 SARS-CoV-2 Ag

	Target Value	negative	positive	% Conform
Roche	positive	0	48	100.00
Abbott Panbio	positive	0	8	100.00
Other methods	positive	2	26	92.86
Total		2	82	97.62

V01 HIV Schnelltest

	Target Value	negative	positive	% Conform
Determine HIV 1/2	negative	17	0	100.00
Other methods	negative	9	0	100.00
Total		26	0	100.00

B34 FSME IgG/IgM

FSME IgG	Target Value	negative	positive	% Conform
all Participants	positive	0	4	100.00

FSME IgM	Target Value	negative	positive	% Conform
all Participants	negative	4	0	100.00

B35 Masern/Parvovirus IgG/IgM

Masern IgG	Target Value	negative	positive	% Conform
all Participants	positive	0	7	100.00

Masern IgM	Target Value	negative	positive	% Conform
all Participants	negative	5	0	100.00

Parvovirus B19 IgG	Target Value	negative	positive	% Conform
all Participants	positive	0	7	100.00

Parvovirus B19 IgM	Target Value	negative	positive	% Conform
all Participants	negative	7	0	100.00

B36 SARS-CoV2+Flu+RSV

SARS CoV-2	Target Value	negative	positive	% Conform
Genexpert	positive	0	30	100.00
Other methods	positive	2	13	86.67
Total		2	43	95.56

Influenza A	Target Value	negative	positive	% Conform
Genexpert	negative	27	0	100.00
Other methods	negative	14	0	100.00
Total		41	0	100.00

Influenza B	Target Value	negative	positive	% Conform
Genexpert	negative	26	0	100.00
Other methods	negative	13	0	100.00
Total		39	0	100.00

RSV	Target Value	negative	positive	% Conform
Genexpert	negative	26	0	100.00
Other methods	negative	9	1	90.00
Total		35	1	97.22

B39 Mycobacteria, microscopy

Acid-fast bacilli A	Target Value	negative	positive	% Conform
Ziehl-Neelsen	positive	0	23	100.00
Auramin-Rhodamin	positive	0	4	100.00
Total		0	27	100.00

Acid-fast bacilli B	Target Value	negative	positive	% Conform
Ziehl-Neelsen	positive	0	23	100.00
Auramin-Rhodamin	positive	0	4	100.00
Total		0	27	100.00

B42 HIV, Hepatitis B/C, Serologie

HIV 1/2 Combo sample A	Target Value	negative	positive	% Conform
Abbott	negative	10	0	100.00
Roche, Cobas	negative	10	0	100.00
all Participants	negative	6	0	100.00
Total		26	0	100.00

HIV 1/2 ig sample A	Target Value	negative	positive	% Conform
Abbott	negative	1	0	100.00

HIV 1/2 p24 sample A	Target Value	negative	positive	% Conform
Abbott	negative	1	0	100.00

HBs Ig sample A	Target Value	negative	positive	% Conform
Abbott	negative	9	0	100.00
Roche, Cobas	negative	7	0	100.00
Other methods	negative	4	0	100.00
Total		20	0	100.00

HBs Ag sample A	Target Value	negative	positive	% Conform
Abbott	negative	9	0	100.00
Roche, Cobas	negative	7	0	100.00
Other methods	negative	6	0	100.00
Total		22	0	100.00

HBc Ig sample A	Target Value	negative	positive	% Conform
Abbott	negative	9	0	100.00
Roche, Cobas	negative	8	0	100.00
Other methods	negative	5	0	100.00
Total		22	0	100.00

HBc IgM sample A	Target Value	negative	positive	% Conform
Abbott	negative	8	0	100.00
Roche, Cobas	negative	2	0	100.00
Other methods	negative	2	0	100.00
Total		12	0	100.00

HBe Ig sample A	Target Value	negative	positive	% Conform
Abbott	negative	8	0	100.00
Roche, Cobas	negative	3	0	100.00
Other methods	negative	2	0	100.00
Total		13	0	100.00

HBe Ag sample A	Target Value	negative	positive	% Conform
Abbott	negative	8	0	100.00
Roche, Cobas	negative	3	0	100.00
Other methods	negative	2	0	100.00
Total		13	0	100.00

HCV Ig sample A	Target Value	negative	positive	% Conform
Abbott	positive	0	9	100.00
Roche, Cobas	positive	0	6	100.00
Other methods	positive	0	7	100.00
Total		0	22	100.00

HIV 1/2 Combo sample B	Target Value	negative	positive	% Conform
Abbott	positive	0	9	100.00
Roche, Cobas	positive	0	11	100.00
all Participants	positive	0	7	100.00
Total		0	27	100.00

HIV 1/2 ig sample B	Target Value	negative	positive	% Conform
Abbott	positive	0	1	100.00

HIV 1/2 p24 sample B	Target Value	negative	positive	% Conform
Abbott	positive	0	1	100.00

HBs Ig sample B	Target Value	negative	positive	% Conform
Abbott	negative	9	0	100.00
Roche, Cobas	negative	8	0	100.00
Other methods	negative	4	0	100.00
Total		21	0	100.00

HBs Ag sample B	Target Value	negative	positive	% Conform
Abbott	negative	9	0	100.00
Roche, Cobas	negative	7	0	100.00
Other methods	negative	6	0	100.00
Total		22	0	100.00

HBc Ig sample B	Target Value	negative	positive	% Conform
Abbott	negative	9	0	100.00
Roche, Cobas	negative	8	0	100.00
Other methods	negative	5	0	100.00
Total		22	0	100.00

HBc IgM sample B	Target Value	negative	positive	% Conform
Abbott	negative	8	0	100.00
Roche, Cobas	negative	4	0	100.00
Other methods	negative	2	0	100.00
Total		14	0	100.00

HBe Ig sample B	Target Value	negative	positive	% Conform
Abbott	negative	8	0	100.00
Roche, Cobas	negative	3	0	100.00
Other methods	negative	2	0	100.00
Total		13	0	100.00

HBe Ag sample B	Target Value	negative	positive	% Conform
Abbott	negative	8	0	100.00
Roche, Cobas	negative	3	0	100.00
Other methods	negative	2	0	100.00
Total		13	0	100.00

HCV Ig sample B	Target Value	negative	positive	% Conform
Abbott	negative	9	0	100.00
Roche, Cobas	negative	7	0	100.00
Other methods	negative	6	0	100.00
Total		22	0	100.00

B43 Hepatitis A IgG / IgM

HAV Ig	Target Value	negative	positive	% Conform
Roche, Cobas	negative	4	0	100.00
Other methods	negative	5	0	100.00
Total		9	0	100.00

HAV IgG	Target Value	negative	positive	% Conform
all Participants	negative	1	0	100.00
Abbott	negative	8	0	100.00
Total		9	0	100.00

HAV IgM	Target Value	negative	positive	% Conform
Abbott	negative	8	0	100.00
Roche, Cobas	negative	3	0	100.00
Other methods	negative	6	0	100.00
Total		17	0	100.00

B44 Hepatitis E IgG / IgM

HEV IgG	Target Value	negative	positive	% Conform
all Participants	positive	0	10	100.00

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