

Report MQ 2026/3 Microbiology: Antibody and antigen tests

28.09.2026 V1.0

Summary

Sample		Results	Good	% Good
B01	Strep A Antigen	1262	1236	97.94 %
B04	Rubella / Mumps IgG/IgM	86	84	97.67 %
B05	Toxoplasmosis IgG/IgM	48	48	100.00 %
B06	Lues / syphilis serology	92	92	100.00 %
B07	Cytomegalovirus IgG/IgM	76	75	98.68 %
B08	Varicella / HSV1/2 IgG/IgM	121	121	100.00 %
B20	Epstein-Barr-Virus IgG/IgM	163	162	99.39 %
B21	Legionella antigen urine	73	73	100.00 %
B22	S. pneumoniae antigen urine	61	61	100.00 %
B24	RSV/Influenza rapid test	39	38	97.44 %
B27	Helicobacter Pylori Antigen	66	63	95.45 %
B30	Rota-/Adeno-/Norovirus Ag	79	76	96.20 %
B32	SARS-CoV-2 IgG/IgM	8	8	100.00 %
B33	SARS-CoV-2 Ag	20	20	100.00 %
B34	FSME IgG/IgM	12	12	100.00 %
B35	Measles/Parvovirus IgG/IgM	58	58	100.00 %
B37	C. Diff Ag (GDH, Toxin A/B)	86	86	100.00 %
B38	H. pylori urease test	6	6	100.00 %
B39	Mycobacteria, microscopy	49	49	100.00 %
B42	HIV, Hepatitis B/C, serology	649	648	99.85 %
B43	Hepatitis A IgG / IgM	67	67	100.00 %
B44	Hepatitis E IgG / IgM	22	22	100.00 %
B45	Borrelia serology	14	14	100.00 %
H11	Malaria rapid test / NAT	104	103	99.04 %
V01	HIV Rapid Test	24	23	95.83 %
Total		3285	3245	98.78 %

B01 Strep A Antigen

Strep A	Target Value	negative	border	positive	% Conform
Rapid Test	positive	22	4	1236	97.94

B04 Rubella / Mumps IgG/IgM

Mumps IgG	Target Value	negative	positive	% Conform
all Participants	negative	12	0	100.00

Mumps IgM	Target Value	negative	positive	% Conform
all Participants	negative	8	0	100.00

Rubella IgG	Target Value	negative	positive	% Conform
all Participants	negative	35	2	94.59

Rubella IgM	Target Value	negative	positive	% Conform
all Participants	negative	29	0	100.00

B05 Toxoplasmosis IgG/IgM

Toxo IgG avidity interpretation	Target Value	negative	positive	% Conform
all Participants	positive	0	1	100.00

Toxoplasma IgG	Target Value	negative	positive	% Conform
Abbott	positive	0	4	100.00
Roche	positive	0	11	100.00
Other methods	positive	0	9	100.00
Total		0	24	100.00

Toxoplasma IgM	Target Value	negative	positive	% Conform
Abbott	negative	4	0	100.00
Roche	negative	11	0	100.00
Other methods	negative	8	0	100.00
Total		23	0	100.00

B06 Lues / syphilis serology

Treponema TPHA	Target Value	negative	positive	% Conform
all Participants	negative	9	0	100.00
Treponema Screening (Ig total)	Target Value	negative	positive	% Conform
all Participants	negative	28	0	100.00
Treponema IgG	Target Value	negative	positive	% Conform
EIA	negative	9	0	100.00
Immunoblot	negative	2	0	100.00
Total		11	0	100.00
Treponema IgM	Target Value	negative	positive	% Conform
EIA	negative	5	0	100.00
Immunoblot	negative	4	0	100.00
Total		9	0	100.00
RPR/VDRL	Target Value	negative	positive	% Conform
all Participants	negative	20	0	100.00
Syphilis TPPA	Target Value	negative	positive	% Conform
all Participants	negative	15	0	100.00

B07 Cytomegalovirus IgG/IgM

CMV IgG avidity interpretation	Target Value	negative	border	positive	% Conform
all Participants	positive	0	0	2	100.00

Cytomegaly IgG	Target Value	negative	border	positive	% Conform
Abbott	positive	0	0	6	100.00
Roche	positive	0	0	17	100.00
Other methods	positive	0	0	16	100.00
Total		0	0	39	100.00

Cytomegaly IgM	Target Value	negative	border	positive	% Conform
Abbott	positive	0	0	5	100.00
Roche	Borderline/pos	1	5	10	93.75
Other methods	positive	0	0	14	100.00
Total		1	5	29	82.86

B08 Varicella / HSV1/2 IgG/IgM

HSV 1/2 IgG	Target Value	negative	positive	% Conform
all Participants	negative	5	0	100.00

HSV1 IgG	Target Value	negative	positive	% Conform
all Participants	negative	19	0	100.00

HSV1/2 IgM	Target Value	negative	positive	% Conform
all Participants	not rateable	8	13	100.00

HSV2 IgG	Target Value	negative	positive	% Conform
all Participants	negative	19	0	100.00

Varicella IgG	Target Value	negative	positive	% Conform
all Participants	positive	0	34	100.00

Varicella IgM	Target Value	negative	positive	% Conform
all Participants	negative	23	0	100.00

Commentary

An HSV1/2 IgM-positive sample was used. As the value was close to the cut-off and not all methods were able to detect the IgM as positive, the result was not assessed.

B20 Epstein-Barr-Virus IgG/IgM

EBV EBNA-1 IgG	Target Value	negative	border	positive	% Conform
Roche	positive	0	0	9	100.00
Abbott	positive	0	0	3	100.00
VIDAS	positive	0	0	4	100.00
Liaison	positive	0	0	8	100.00
Other methods	positive	0	0	7	100.00
Total		0	0	31	100.00

EBV heterophilic antibodies	Target Value	negative	border	positive	% Conform
Rapid Test	negative	68	1	0	98.55

EBV VCA-IgG	Target Value	negative	border	positive	% Conform
Roche	positive	0	0	10	100.00
Abbott	positive	0	0	3	100.00
VIDAS	positive	0	0	4	100.00
Liaison	positive	0	0	8	100.00
Other methods	positive	0	0	7	100.00
Total		0	0	32	100.00

EBV VCA-IgM	Target Value	negative	border	positive	% Conform
Roche	negative	9	0	0	100.00
Abbott	negative	3	0	0	100.00
VIDAS	negative	4	0	0	100.00
Liaison	negative	8	0	0	100.00
Other methods	negative	7	0	0	100.00
Total		31	0	0	100.00

B21 Legionella antigen urine

Legionella antigen urine	Target Value	negative	positive	% Conform
Quidel Sofia	positive	0	15	100.00
BinaxNOW	positive	0	34	100.00
Other methods	positive	0	24	100.00
Total		0	73	100.00

B22 S. pneumoniae antigen urine

S. pneumoniae antigen urine	Target Value	negative	positive	% Conform
Quidel Sofia	positive	0	12	100.00
BinaxNOW	positive	0	25	100.00
Other methods	positive	0	24	100.00
Total		0	61	100.00

B24 RSV/Influenza rapid test

Influenza A Antigen	Target Value	negative	border	positive	% Conform
all Participants	positive	0	0	5	100.00

Influenza B Antigen	Target Value	negative	border	positive	% Conform
all Participants	negative	5	0	0	100.00

Influenza Ag	Target Value	negative	border	positive	% Conform
Quidel Sofia	positive	0	0	2	100.00
Other methods	positive	0	1	8	88.89
Total		0	1	10	90.91

RSV Antigen	Target Value	negative	border	positive	% Conform
BinaxNOW	negative	1	0	0	100.00
Other methods	negative	17	0	0	100.00
Total		18	0	0	100.00

B27 Helicobacter Pylori Antigen

Helicobacter pylori antigen	Target Value	negative	positive	% Conform
CerTest Biotec	positive	0	13	100.00
Liaison	positive	0	14	100.00
Meridian STAT! HpSA	positive	1	4	80.00
Oxoid RAPID Hp StAR	positive	0	4	100.00
Ridascreen	positive	0	7	100.00
SD-Biosensor	positive	1	6	85.71
Rapid Test	positive	1	15	93.75
Total		3	63	95.45

B30 Rota-/Adeno-/Norovirus Ag

Adenovirus Ag	Target Value	negative	positive	% Conform
CerTest Biotec	negative	8	0	100.00
r-biopharm	negative	5	0	100.00
SD-Biosensor	negative	6	0	100.00
Other methods	negative	16	0	100.00
Total		35	0	100.00

Norovirus Ag	Target Value	negative	positive	% Conform
all Participants	positive	2	9	81.82

Rotavirus Ag	Target Value	negative	positive	% Conform
CerTest Biotec	negative	8	1	88.89
r-biopharm	negative	5	0	100.00
SD-Biosensor	negative	6	0	100.00
Other methods	negative	13	0	100.00
Total		32	1	96.97

B32 SARS-CoV-2 IgG/IgM

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

SARS-CoV-2 IgG NCP	Target Value	negative	positive	% Conform
Roche	positive	0	1	100.00
all Participants	positive	0	1	100.00
Total		0	2	100.00

SARS-CoV-2 IgG Spike 1	Target Value	negative	positive	% Conform
all Participants	positive	0	4	100.00

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

B33 SARS-CoV-2 Ag

SARS-CoV-2 Antigen	Target Value	negative	positive	% Conform
Roche	positive	0	5	100.00
Other methods	positive	0	15	100.00
Total		0	20	100.00

B34 FSME IgG/IgM

FSME IgG	Target Value	negative	positive	% Conform
all Participants	positive	0	6	100.00

FSME IgM	Target Value	negative	positive	% Conform
all Participants	negative	6	0	100.00

B35 Measles/Parvovirus IgG/IgM

Masern IgG	Target Value	negative	positive	% Conform
Vidas	positive	0	5	100.00
all Participants	positive	0	13	100.00
Total		0	18	100.00

Masern IgM	Target Value	negative	positive	% Conform
all Participants	negative	11	0	100.00

Parvovirus B19 IgG	Target Value	negative	positive	% Conform
all Participants	negative	15	0	100.00

Parvovirus B19 IgM	Target Value	negative	positive	% Conform
all Participants	negative	14	0	100.00

B37 C. Diff Ag (GDH, Toxin A/B)

C. Diff GDH	Target Value	negative	positive	% Conform
Ridascreen	positive	0	9	100.00
Techlab C.Diff Quick Chek	positive	0	13	100.00
Other methods	positive	0	18	100.00
Total		0	40	100.00

C. Diff Toxin A	Target Value	negative	positive	% Conform
all Participants	negative	8	0	100.00

C. Diff Toxin B	Target Value	negative	positive	% Conform
all Participants	positive	0	8	100.00

C. Diff Tox A/B	Target Value	negative	positive	% Conform
Ridascreen	positive	0	9	100.00
Techlab C.Diff Quick Chek	positive	0	12	100.00
Other methods	positive	0	9	100.00
Total		0	30	100.00

B38 H. pylori urease test

H. pylori Urease-Test	Target Value	negative	positive	% Conform
Rapid Test	positive	0	6	100.00

B39 Mycobacteria, microscopy

Acid-fast bacilli A	Target Value	negative	positive	% Conform
Ziehl-Neelsen	negative	20	0	100.00
Auramin-Rhodamin	negative	4	0	100.00
Total		24	0	100.00

Acid-fast bacilli B	Target Value	negative	positive	% Conform
Ziehl-Neelsen	positive	0	21	100.00
Auramin-Rhodamin	positive	0	4	100.00
Total		0	25	100.00

B42 HIV, Hepatitis B/C, serology

HBs Ag sample A	Target Value	negative	positive	% Conform
Abbott	negative	10	1	90.91
Roche	negative	31	0	100.00
Other methods	negative	16	0	100.00
Total		57	1	98.28

Anti-HBs Ig total sample A	Target Value	negative	positive	% Conform
Abbott	negative	7	0	100.00
Roche	negative	26	0	100.00
Other methods	negative	10	0	100.00
Total		43	0	100.00

Anti-HBc Ig total sample A	Target Value	negative	positive	% Conform
Abbott	negative	8	0	100.00
Roche	negative	30	0	100.00
Other methods	negative	9	0	100.00
Total		47	0	100.00

Anti-HBc IgM sample A	Target Value	negative	positive	% Conform
Abbott	negative	5	0	100.00
Roche	negative	9	0	100.00
Other methods	negative	4	0	100.00
Total		18	0	100.00

HBe Ag sample A	Target Value	negative	positive	% Conform
Abbott	negative	6	0	100.00
Roche	negative	7	0	100.00
Other methods	negative	5	0	100.00
Total		18	0	100.00

Anti-HBe Ig total sample A	Target Value	negative	positive	% Conform
Abbott	negative	5	0	100.00
Roche	negative	7	0	100.00
Other methods	negative	5	0	100.00
Total		17	0	100.00

Anti-HCV Ig total sample A	Target Value	negative	positive	% Conform
Abbott	positive	0	11	100.00
Roche	positive	0	29	100.00
Other methods	positive	0	18	100.00
Total		0	58	100.00

HIV 1/2 Combo sample A	Target Value	negative	positive	% Conform
Abbott	negative	10	0	100.00
Roche	negative	38	0	100.00
Other methods	negative	16	0	100.00
Total		64	0	100.00

HBs Ag sample B	Target Value	negative	positive	% Conform
Abbott	positive	0	11	100.00
Roche	positive	0	31	100.00
Other methods	positive	0	16	100.00
Total		0	58	100.00

Anti-HBs Ig total sample B	Target Value	negative	positive	% Conform
Abbott	negative	7	0	100.00
Roche	negative	27	0	100.00
Other methods	negative	10	0	100.00
Total		44	0	100.00

Anti-HBc Ig total sample B	Target Value	negative	positive	% Conform
Abbott	positive	0	8	100.00
Roche	positive	0	30	100.00
Other methods	positive	0	9	100.00
Total		0	47	100.00

Anti-HBc IgM sample B	Target Value	negative	positive	% Conform
Abbott	negative	5	0	100.00
Roche	negative	10	0	100.00
Other methods	negative	3	0	100.00
Total		18	0	100.00

HBe Ag sample B	Target Value	negative	positive	% Conform
Abbott	negative	6	0	100.00
Roche	negative	7	0	100.00
Other methods	negative	5	0	100.00
Total		18	0	100.00

Anti-HBe Ig total sample B	Target Value	negative	positive	% Conform
Abbott	positive	0	5	100.00
Roche	positive	0	7	100.00
Other methods	positive	0	5	100.00
Total		0	17	100.00

Anti-HCV Ig total sample B	Target Value	negative	positive	% Conform
Abbott	negative	11	0	100.00
Roche	negative	29	0	100.00
Other methods	negative	18	0	100.00
Total		58	0	100.00

HIV 1/2 Combo sample B	Target Value	negative	positive	% Conform
Abbott	negative	10	0	100.00
Roche	negative	38	0	100.00
Other methods	negative	18	0	100.00
Total		66	0	100.00

B43 Hepatitis A IgG / IgM

Anti-HAV Ig	Target Value	negative	positive	% Conform
Roche	positive	0	18	100.00
Other methods	positive	0	9	100.00
Total		0	27	100.00

Anti-HAV IgG	Target Value	negative	positive	% Conform
Abbott	positive	0	7	100.00
all Participants	positive	0	2	100.00
Total		0	9	100.00

Anti-HAV IgM	Target Value	negative	positive	% Conform
Abbott	negative	7	0	100.00
Roche	negative	16	0	100.00
Other methods	negative	8	0	100.00
Total		31	0	100.00

B44 Hepatitis E IgG / IgM

Anti-HEV IgG	Target Value	negative	positive	% Conform
all Participants	negative	11	0	100.00

Anti-HEV IgM	Target Value	negative	positive	% Conform
all Participants	negative	11	0	100.00

B45 Borrelia serology

Borrelia burgdorferi IgG Screening	Target Value	negative	positive	% Conform
all Participants	negative	6	0	100.00

Borrelia burgdorferi IgM Screening	Target Value	negative	positive	% Conform
all Participants	negative	6	0	100.00

Borrelia burgdorferi IgG Blot	Target Value	negative	positive	% Conform
all Participants	negative	1	0	100.00

Borrelia burgdorferi IgM Blot	Target Value	negative	positive	% Conform
all Participants	negative	1	0	100.00

H11 Malaria rapid test / NAT

Malaria	Target Value	negative	positive	% Conform
Paramax	positive	0	8	100.00
BinaxNOW	positive	1	43	97.73
SD-Biosensor	positive	0	33	100.00
NAT Amp.	positive	0	11	100.00
Other methods	positive	0	6	100.00
Total		1	101	99.02

Plasmodium spp.	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	1	100.00

Plasmodium falciparum	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	1	100.00

Commentary

The sample contained *P. falciparum*. The result was positive.

V01 HIV Rapid Test

HIV Rapid Test	Target Value	negative	positive	% Conform
Determine HIV 1/2	positive	1	20	95.24
Other methods	positive	0	3	100.00
Total		1	23	95.83