



Automation of the Anti-SARS-CoV-2 ELISAs

Quick and reliable ELISA processing



Anti-SARS-CoV-2 ELISA IgA and IgG

- Specific detection of IgG antibodies against SARS-CoV-2 due to the use of the S1 domain of the spike protein incl. the immunologically relevant receptor binding domain (RBD)
- RBD is an important target antigen for virus-neutralising antibodies
- Excellent performance and good correlation of the ELISA with neutralisation assays confirmed by external studies

Order numbers: EI 2606-9601 G (IgG); EI 2606-9620 G (IgG)

- Sensitive detection of IgA antibodies for monitoring of the immune reaction after positive pathogen detection

Order numbers: EI 2606-9601 A (IgA); EI 2606-9620 A (IgA)



EUROLabWorkstation ELISA



EUROIMMUN Analyzer I-2P



EUROIMMUN Analyzer I



Sprinter XL



EUROLabWorkstation ELISA (4 incubators)*

Fully automated ELISA processing of up to 15 ELISA plates per run



ELISA plate layout

- IgA or IgG: calibrator, positive control, negative control, 93 patient samples

ELISA kit now also available in an optimised format with 20 ELISA plates/kit and exchangeable reagents in EUROTanks!
Order numbers: EI 2606-9620 A and EI 2606-9620 G

Examples of workflows using the EUROLabWorkstation ELISA (4 incubators)*

Number of patient samples	No. of ELISA plates (bold = full plate)	Anti-SARS-CoV-2 ELISA	Run time of device hh:mm	Total number of tests	Number of tests per hour
186	2	IgA or IgG	02:32	186	73
372	4	IgA or IgG	02:48	372	133
744**	8	IgA or IgG	05:09	744	144
186	4	IgA and IgG	02:40	372	140
372	8	IgA and IgG	04:47	744	156
696	15**	IgA and IgG	08:52	1392	157

*Incubators are not included in the standard delivery.

**maximal capacity per run

EUROIMMUN Analyzer I

Fully automated ELISA processing of up to 7 ELISA plates per run



ELISA plate layout

- IgA: calibrator, positive control, negative control, 45 patient samples, calibrator, positive control, negative control, 45 patient samples
- IgG: calibrator, positive control, negative control, 93 patient samples

Examples of workflows using the EUROIMMUN Analyzer I

Number of patient samples	No. of ELISA plates (bold = full plate)	Anti-SARS-CoV-2 ELISA	Run time of device hh:mm	Total number of tests	Number of tests per hour
93	1	IgG	03:25	93	27
144	2	IgG	03:51	144	37
180*	2	IgG	04:20	180	42
90	1	IgA	03:13	90	28
144	2	IgA	03:51	144	37
180*	2	IgA	04:19	180	42
90	2	IgA and IgG	03:44	180	48
112	3	IgA and IgG	03:57	224	57
180*	4	IgA and IgG	07:16	360	50

* maximal capacity per run



EUROIMMUN Analyzer I-2P

Fully automated ELISA processing of up to 3 ELISA plates per run



ELISA plate layout

- IgA: calibrator, positive control, negative control, 45 patient samples, calibrator, positive control, negative control, 45 patient samples
- IgG: calibrator, positive control, negative control, 93 patient samples

Examples of workflows using the EUROIMMUN Analyzer I-2P

Number of patient samples	No. of ELISA plates (bold = full plate)	Anti-SARS-CoV-2 ELISA	Run time of device hh:mm	Total number of tests	Number of tests per hour
93	1	IgG	03:18	93	28
144*	2	IgG	03:46	144	38
90	1	IgA	03:17	90	27
144*	2	IgA	03:47	144	38
90	2	IgA and IgG	03:33	180	51
112*	3	IgA and IgG	05:51	224	38

* maximal capacity per run

Sprinter XL 160/240 (ELISA configuration with incubator)*

Fully automated ELISA processing of up to 6 ELISA plates per run



ELISA plate layout

- IgA: calibrator, calibrator, positive control, negative control, 44 patient samples, calibrator, calibrator, positive control, negative control, 44 patient samples
- IgG: calibrator, calibrator, positive control, negative control, 92 patient samples

Examples of workflows using the Sprinter XL 160 and 240 (ELISA configuration with incubator)*

Number of patient samples	No. of ELISA plates (bold = full plate)	Anti-SARS-CoV-2 ELISA	Run time of device hh:mm	Total number of tests	Number of tests per hour
92	1	IgG	02:44	92	34
160**	2	IgG	03:02	160	53
240***	3	IgG	03:22	240	71
88	1	IgA	02:43	88	32
160**	2	IgA	03:03	160	52
240***	3	IgA	03:24	240	71
88	2	IgA and IgG	02:51	176	62
160**	4	IgA and IgG	03:18	320	97
240***	6	IgA and IgG	06:00	480	80

* device configuration IIFT/ELISA with incubator is indispensable

** maximal capacity per run for Sprinter XL 160 IIFT/ELISA with incubator

*** maximal capacity per run for Sprinter XL 240 IIFT/ELISA with incubator



EUROIMMUN ELISAs for infection diagnostics

ELISA antibody detection		
Antibodies against	Order no.	
A Adenovirus IgA, IgG, IgM	EI 2680-9601 A/G/M	
Bordetella pertussis toxin IgA, IgG	EI 2050-9601 A/G	
Bordetella pertussis IgM	EI 2050-9601 M	
Bordetella FHA IgA, IgG	EI 2050-9601-3 A/G	
Bordetella pertactin IgG	EI 2050-9601-4 G	
B Borrelia IgM	EI 2132-9601 M	
Borrelia burgdorferi VlsE IgG	EI 2132-9601-1 G	
Borrelia plus VlsE IgG	EI 2132-9601-2 G	
Borrelia Select IgG, IgM	EI 2132-9601-5 G/M	
Brucella abortus IgA, IgG, IgM	EI 2189-9601 A/G/M	
C Campylobacter jejuni IgA, IgG	EI 2091-9601 A/G	
Chikungunya virus IgG, IgM	EI 293a-9601 G/M	
Chlamydia IgA, IgG, IgM	EI 2190-9601 A/G/M	
Chlamydia pneumoniae IgA, IgG, IgM	EI 2192-9601 A/G/M	
Chlamydia trachomatis IgA, IgG, IgM	EI 2191-9601 A/G/M	
Coxiella burnetii phase 1 IgG	EI 217a-9601-1 G	
Coxiella burnetii phase 2 IgG, IgM	EI 217a-9601-2 G/M	
Cytomegalovirus (CMV) IgG, IgM	EI 2570-9601 G/M	
Cytomegalovirus (CMV) p52 IgM	EI 2570-9601-2 M	
Cytomegalovirus (CMV) gB IgG	EI 2570-9601-3 G	
D Dengue virus (1-4) IgG, IgM	EI 266a-9601-1 G/M	
Dengue virus (1-4) IgG (NS1 antigen)	EI 266a-9601-2 G	
Dengue virus IgA, IgG, IgM	EI 266b-9601 A/G/M	
Diphtheria toxoid IgG	EI 2040-9601 G	
E Echinococcus IgG	EI 2320-9601-1 G	
Enterovirus IgA, IgG, IgM	EI 2730-9601-1 A/G/M	
EBV-CA IgA, IgG, IgM	EI 2791-9601 A/G/M	
EBV-EA IgA, IgG, IgM	EI 2795-9601 A/G/M	
EBNA-1 IgG	EI 2793-9601 G	
Hantavirus Pool 1 "Eurasia" IgG, IgM	EI 278h-9601-1 G/M	
Hantavirus Pool 2 "America" IgG, IgM	EI 278h-9601-2 G/M	
Helicobacter pylori IgA, IgG	EI 2080-9601 A/G	
Helicobacter pylori (CagA) IgA, IgG	EI 2081-9601 A/G	
H Hepatitis E virus (HEV) IgA, IgG, IgM	EI 2525-9601 A/G/M	
Hepatitis E virus (HEV) IgAGM	EI 2525-9601 P	
Herpes simplex virus 1 (HSV-1) IgG, IgM	EI 2531-9601-2 G/M	
Herpes simplex virus 2 (HSV-2) IgG, IgM	EI 2532-9601-2 G/M	
Herpes simplex virus (HSV-1/2) IgA, IgG, IgM	EI 2531-9601-1 A/G/M	
I Influenza A virus IgA, IgG, IgM	EI 2691-9601 A/G/M	
Influenza B virus IgA, IgG, IgM	EI 2692-9601 A/G/M	
J Japanese encephalitis virus (JEV) IgG, IgM	EI 2663-9601 G/M	
L Legionella pneumophila IgA, IgG, IgM	EI 2150-9601 A/G/M	
M Measles virus IgG, IgM	EI 2610-9601 G/M	
Measles virus (NP) IgM	EI 2610-9601-4 M	
Mayaro virus IgG, IgM	EI 295c-9601 G/M	
MERS-CoV IgG	EI 2604-9601 G	
Mumps virus IgG, IgM	EI 2630-9601 G/M	
Mumps virus AT IgG	EI 2630-9601-3 G	
Mumps virus G5 IgM	EI 2630-9601-5 M	
Mycoplasma pneumoniae IgA, IgG, IgM	EI 2202-9601 A/G/M	
Parainfluenza virus 1-4 (Pool) IgA, IgG, IgM	EI 2721-9601-1 A/G/M	
P Parvovirus B19 IgG, IgM	EI 2580-9601 G/M	
Plasmodium IgG	EI 2260-9601 G	
R Respiratory syncytial virus (RSV) IgA, IgG, IgM	EI 2670-9601 A/G/M	
Rubella virus IgG, IgM	EI 2590-9601 G/M	
Rubella virus glycoprotein IgM	EI 2590-9601-2 M	
S SARS-CoV-2 IgA, IgG	EI 2606-9601 A / G EI 2606-9620 A / G	NEW!
SARS-CoV-2 NCP, IgG	EI 2606-9601-2 G EI 2606-9620-2 G	NEW!
Schistosoma IgG, IgM	EI 2300-9601 G/M	
Strongyloides IgG	EI 2290-9601 G	
T TBE virus IgG, IgM	EI 2661-9601 G/M	
TBE virus "Vienna" IgG	EI 2661-9601-9 G	
Tetanus toxoid IgG	EI 2060-9601 G	
Toscana virus IgG	EI 277c-9601 G	
Toxocara canis IgG	EI 2311-9601 G	
Toxoplasma gondii IgA, IgG, IgM	EI 2410-9601 A/G/M	
Toxoplasma gondii IgAGM	EI 2410-9601 P	
Treponema pallidum IgG, IgM	EI 2111-9601 G/M	
Treponema pallidum IgGM	EI 2111-9601 O	
Trypanosoma cruzi IgG	EI 2212-9601 G	
U Usutu virus IgG	EI 2667-9601 G	
V Varicella zoster virus (VZV) IgA, IgG, IgM	EI 2650-9601 A/G/M	
Varicella zoster virus (VZV) glycoprotein IgM	EI 2650-9601-2 M	
W West Nile virus (WNV) IgG, IgM	EI 2662-9601 G/M	
Y Yersinia enterocolitica IgA, IgG	EI 2173-9601 A/G	
Z Zika virus IgA, IgG, IgM	EI 2668-9601 A/G/M	
Zika virus IgAM	EI 2668-9601 Q	

ELISA avidity determination		
Antibodies against	Order no.	
Cytomegalovirus (CMV) IgG	EI 2570-9601-1 G	
EBV-CA IgG	EI 2791-9601-1 G	
Measles virus IgG	EI 2610-9601-1 G	
Rubella virus IgG	EI 2590-9601-1 G	
TBE virus IgG	EI 2661-9601-1 G	
Toxoplasma gondii IgG	EI 2410-9601-1 G	
Varicella zoster virus (VZV) IgG	EI 2650-9601-1 G	
West Nile virus (WNV) IgG	EI 2662-9601-1 G	

ELISA antigen detection		
Antigen	Order no.	
Aspergillus	EQ 6911-9601	
CXCL13	EQ 6811-9601-L	
Dengue NS1	EQ 266a-9601-1	

ELISA CSF diagnostics		
Antibodies against	Order no.	
Borrelia	EI 2132-9601-L M	
Borrelia PLUS VlsE	EI 2132-9601-L G	
Cytomegalovirus (CMV)	EI 2570-9601-L G	
EBV-CA	EI 2791-9601-L G	
Herpes simplex virus (HSV-1/2)	EI 2531-9601-1 L G	
Measles virus	EI 2610-9601-L G	
Mumps virus	EI 2630-9601-L G	
Rubella virus	EI 2590-9601-L G	
TBE virus	EI 2661-9601-L G/M	
Toxoplasma gondii	EI 2410-9601-L G	
Treponema pallidum	EI 2111-9601-L G	
Varicella zoster virus (VZV)	EI 2650-9601-L A/G	