

SERION easyANALYZE

Software for serological diagnostics

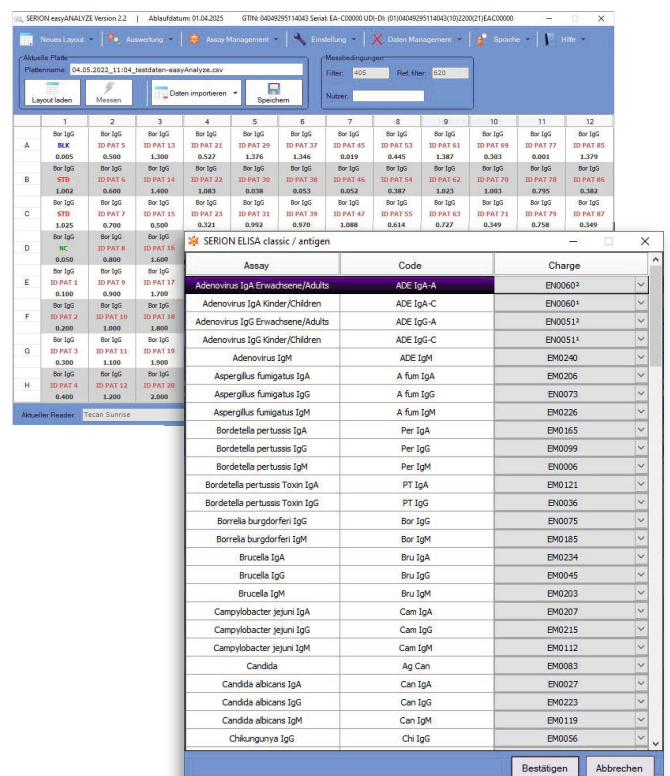
SERION *easyANALYZE* allows an efficient, fast and clear evaluation of quantitative and qualitative SERION ELISA *classic*, SERION ELISA *antigen* and SERION ELISA *agile* test systems. The software is designed for the photometric evaluation of microtiterplate-based immunoassays.

SERION *easyANALYZE*

The software SERION *easyANALYZE* facilitates the qualitative and quantitative evaluation of optical measurement signals generated by enzyme-linked immunosorbent assays. Data, generated with commercially available ELISA readers, can be transferred to the software via a validated data import function when using common formats (e.g. .csv, .txt, .asc). Furthermore, it is possible to make manual data entries. The analysis can be evaluated directly in clearly arranged result reports. The program requirements are minimal and it can be run on any personal computer (PC) with an OS based on Microsoft 7 or 10.

Analysis with SERION *easyANALYZE*

SERION ELISA tests are pre-installed and can be conveniently chosen from an immunoassay menu. The user enters all relevant lot specific data, such as reference value and validity range of the standard serum and the four parameters for quantification from the quality control certificate of a SERION ELISA immunoassay into the software. The transfer can be performed manually or, as a quality assured alternative, by using a 2D hand barcode scanner.



The screenshot displays the SERION *easyANALYZE* Version 2.2 interface. The top menu bar includes options like 'Rechnen Layout', 'Anforderung', 'Assay Management', 'Einstellungen', 'Daten Management', 'Sprache', and 'Hilfe'. Below the menu, there's a 'Plattenname' field set to '04.05.2022_11:04_Kandidaten-easyANALYZE.csv'. The main area shows a table with columns for assay results (e.g., ID PAT 1, ID PAT 2, etc.) and a 'SERION ELISA classic / antigen' window. This window lists various assays with their codes and charges.

Assay	Code	Charge
Adenovirus IgA Erwachsene/Adults	ADE IgA-A	EN00601
Adenovirus IgA Kinder/Children	ADE IgA-C	EN00601
Adenovirus IgG Erwachsene/Adults	ADE IgG-A	EN00511
Adenovirus IgG Kinder/Children	ADE IgG-C	EN00511
Adenovirus IgM	ADE IgM	EM0240
Aspergillus fumigatus IgA	A fum IgA	EM0205
Aspergillus fumigatus IgG	A fum IgG	EM0073
Aspergillus fumigatus IgM	A fum IgM	EM0226
Bordetella pertussis IgA	Per IgA	EM0165
Bordetella pertussis IgG	Per IgG	EM0099
Bordetella pertussis IgM	Per IgM	EM0006
Bordetella pertussis Toxin IgA	PT IgA	EM0121
Bordetella pertussis Toxin IgG	PT IgG	EM0036
Borrelia burgdorferi IgG	Bor IgG	EM0075
Borrelia burgdorferi IgM	Bor IgM	EM0185
Brucella IgA	Bru IgA	EM0234
Brucella IgG	Bru IgG	EM0045
Brucella IgM	Bru IgM	EM0203
Campylobacter jejuni IgA	Cam IgA	EM0207
Campylobacter jejuni IgG	Cam IgG	EM0215
Campylobacter jejuni IgM	Cam IgM	EM0112
Candida	Ag Can	EM0083
Candida albicans IgA	Can IgA	EM0027
Candida albicans IgG	Can IgG	EM0223
Candida albicans IgM	Can IgM	EM0119
Chlamydia IgG	Chi IgG	EM0056

Assay and Lot management

serion\diagnostics
Your Partner in Infectious Serology

Data management with SERION easyANALYZE

Additionally, the validity of each test run is assessed by verification of the standard reference value, substrate blank or the negative control. By using the SERION easyANALYZE software a standardized and quality assured evaluation of SERION ELISA immunoassays is guaranteed.

Result report

- Data generated with ELISA readers can be imported
- Flexible assay protocols for various ELISA plate and strip tests
- Quality assured transfer of lot-specific parameters from the quality control certificates of SERION ELISA immunoassay by using a 2D barcode scanner
- Database for lot management
- Determination of the Avidity Index

- Qualitative and quantitative evaluation of SERION ELISA test systems on the basis of curve tests
- Representation of measuring results as colored values for the quick evaluation of test results
- Export of result reports in Microsoft® Excel based assay files
- CE-certified software, designed according to EU-GDPR

SERION <i>easy</i> ANALYZE	VT040-MAN (manuell)	VT040-CON (connected)
Manual file entry	✓	✓
Import of defined file formats from any source		✓
Evaluation of ELISA results of SERION ELISA <i>classic</i> (incl. determination of the avidity indices), SERION ELISA <i>antigen</i> and SERION ELISA <i>agile</i>	✓	✓