

NEW  
RELEASE

# SERION *easyCSF*

Software solution for comprehensive  
and automated CSF diagnostics

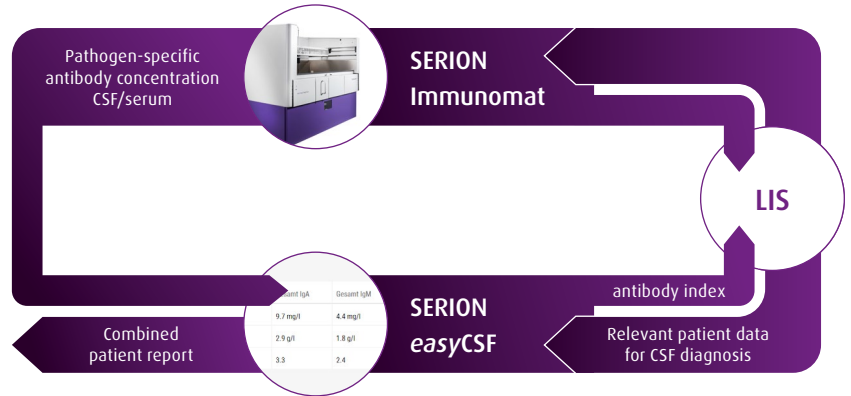


## Highlights

- Bi-directional data transfer / LIS connection
- Processing of flexible sample codes possible
- Automated determination of intrathecal antibody synthesis via CSF/serum quotients, quotient diagrams according to Reiber and pathogen specific antibody index calculation
- Flexible choice of CSF and serum dilutions and suggestion of suitable combinations for antibody index calculation
- Generation of combined patient reports
- Software designed according to EU-DSGVO

### Bi-directional data transfer

SERION *easyCSF* is suitable for LIS (laboratory information system) connection and enables a bi-directional data transfer via a separate interface. Data from SERION Immunomat software are automatically transferred to the software and additionally required patient information and clinical data are imported from the LIS. Quotient diagrams according to Reiber are displayed and pathogen-specific antibody indices can be reported back to the LIS.



### Results

Calculation of pathogen-specific antibody indices is based on the precise quantification of antibody activities in CSF and serum samples. The quantification of SERION ELISA *classic* test systems is based on the 4-parameter logistic (4 PL) function which optimizes accuracy over the maximal calibration range. Institut Virion\Serion establishes a lot-specific 4 PL standard curve for each kit lot and an economical 1-Point-Quantification is used to compensate for interassay variations.

Flexible dilutions of CSF and serum can be chosen to ensure optimal pairing for antibody index calculation. Taking the DGLN recommendations into account, algorithms were defined to suggest the best suitable combination for antibody index calculation, which can be acknowledged by the user. Further, the user is able to adapt these predefined settings. All relevant data, including OD values, unit values, quotients, antibody indices, clinical chemistry, cytology and other required patient data are compiled in a combined patient report.



### Database and data safety

The *easyCSF* software uses a password protected database to facilitate the analysis. A hardware license key is needed to operate the software.

CE marking according to IVD guideline 98/79 EC. Further, functionality according to EU-DSGVO (Datenschutzgrundverordnung/ data safety regulation) is ensured.

Product	Order No.
SERION <i>easyCSF</i>	VT042-A (automated, Immunomat/LIS connection required)
	VT042-M (manual data entry)

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