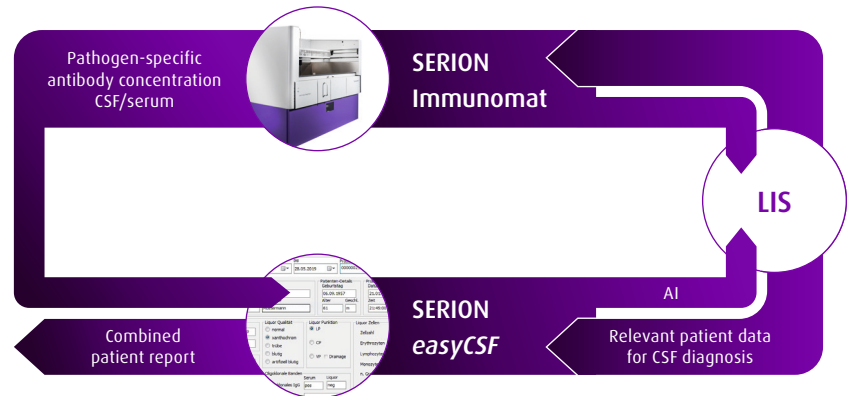# SERION *easyCSF*

Software solution for comprehensive and automated CSF diagnostics

- 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 (AI) calculation

- Flexible choise of CSF and serum dilutions and suggestion of suitable combinations for AI calculation

- Generation of combined patient reports

- Software designed according to EU-DSGVO

serion\diagnostics
Your Partner in Infectious Serology

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 AIs can be reported back to the LIS.

Pathogen-specific antibody concentration CSF/serum

SERION Immunomat

LIS

Combined patient report

SERION *easyCSF*

AI

Relevant patient data for CSF diagnosis

Results

Calculation of pathogen-specific AIs is based on the precise quantification of antibody activities in CSF and serum samples. SERION ELISA *classic* test systems use 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 combination for AI calculation. Taking into account the DGLN recommendations, algorithms were defined to suggest the best suitable combination for AI calculation, which can be acknowledged by the user. Further, the user is able to adapt these predefined settings. All relevant data, including quotients, AIs, clinical chemistry, cytology and other required patient data are compiled in a combined patient report.

Selectable comment fields can be defined by the user for diagnostic information.

Database and data safety

The software can be used either locally from one workstation or with so-called "client server database" from more workstations in parallel. For software processing a dongle is needed for each workstation.

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

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