Immunoblots for CSF diagnosis of neuroborreliosis

- Broad range of antigens
- Standardised dilution factor for CSF (1:4) — no complicated calculations required
- Short incubation times (test results after approx. 300 min)
- Low CSF sample volume (250 µl)
- Fully or semi-automated processing with EUROBlotOne or EUROBlotMaster
- Computer-aided evaluation using EUROLineScan software (available from EUROIMMUN)

**Technical data**

<table>
<thead>
<tr>
<th>Sample dilution</th>
<th>CSF 1:4, serum dilution calculated with CSQ_{total} or CSQ_{lim}.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incubation times</td>
<td>180 min/60 min/20 min, room temperature</td>
</tr>
</tbody>
</table>

**Interpretation of results**

Based on the number of specific bands (n) after CSF/serum incubation:

- n_{CSF} > n_{serum}: Indication of pathogen-specific antibody production in the CNS
- n_{CSF} ≤ n_{serum}: Interpretation via CSF/serum band intensity (i) possible
  - i_{CSF} ≤ i_{serum}: No indication of pathogen-specific antibody production in the CNS
  - i_{CSF} > 1,5 × i_{serum}: Indication of pathogen-specific antibody production in the CNS

**Automation solutions**

- EUROBlotOne
- EUROBlotMaster
- EUROBlotScanner
- EUROLineScan software