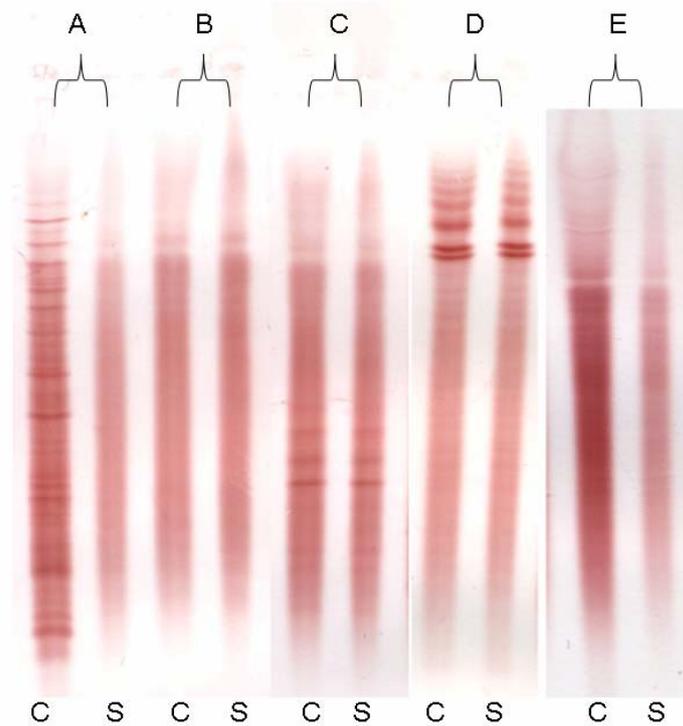


OLIGOCLONAL BANDS
TYPICAL PATTERNS FOR CSF AND SERUM



IEF Blot of CSF proteins and corresponding serum

- A. Oligoclonal bands detected in the CSF only, and not in serum, indicative of local synthesis of immunoglobulin within the CNS compartment (typical pattern seen in MS)
- B. Normal examination
- C. Paired oligoclonal bands detected in serum and CSF indicative of recent antigenic stimulation outside the CNS e.g. as aftermath of systemic infection
- D. Monoclonal paraprotein detected in the serum also present in the CSF (characteristically seen as a consequence of a monoclonal M protein in multiple myeloma or monoclonal gammopathy of uncertain significance)
- E. Polyclonal increase in CSF gamma globulin