



The University of Sydney & Royal Prince Alfred Hospital  
**NEUROLOGY LABORATORY**

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### **Analysis on Nerve Biopsy**

Histochemical & Immunocytochemical stains are performed on frozen, paraffin and plastic sections.

**Standard Panel of stains:** Performed on all biopsies.

- Haematoxylin and Eosin (H&E) on frozen and paraffin sections.
- Toluidine Blue stains on semithin plastic sections.
- Teased fibre preparation for axonal and demyelinating/dysmyelinating pathology.
- Congo Red for amyloid
- Immunofluorescence for Ig, complement and fibrinogen

**Special stains:** Performed if required.

- Light Chain Kappa & Lambda (IF)
- Verhoeff's Elastic Fibre Stain
- Ziehl-Neelson Stain for Acid Fast Bacilli (Modified)
- IHC Panel (paraffin sections): CD3, CD4, CD8, CD20, CD68 and other cell markers.

**Electron Microscopy:** Performed at Concord Hospital if required.