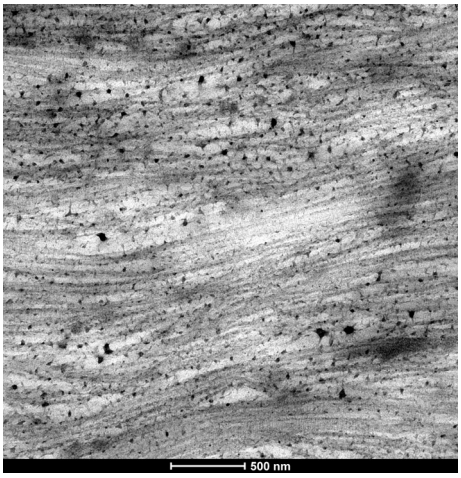
TECHNICAL NOTE (BSC IVANNA FEDORENKO)

Preparation

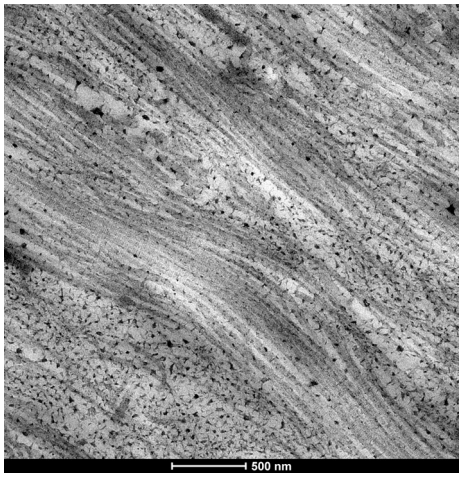
- adjust pH of destilled water with concentrated acetic acid to 3.5
- dilute PtBlue stock solution as supplied 1:100 in pH-adjusted water

Use

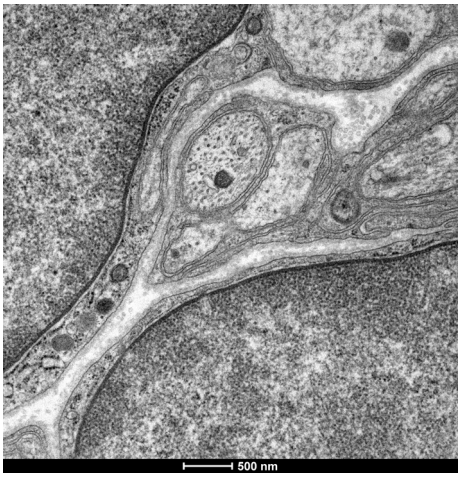
- incubate grid/Epon section on a drop of PtBlue 1:100 for 5 min at RT
- wash on a water drop for about 2 min, repeat 5x
- dry grid/section for approx. 10 min in an incubator
- stain with lead citrate for 2 min at RT
- jet-wash grid 5x (water stream from a plastic pastette)
- suck up remaining water with a filter paper and dry thoroughly



Cartilage ECM, constrasted with PtBlue + LC



Cartilage ECM, constrasted with UA + LC



HepG2 cells, constrasted with PtBlue + LC

Depending on the sample, PtBlue can be nearly as good as uranyl acetate in its ability to add contrast.
It does not work well with chondrocytes or T. brucei in our hands.