

## Protein crystallography

State-of-the-art equipment is available at the Sydney Analytical to facilitate crystallography of intracellular and membrane proteins. These include the liquid handler from Tecan and crystallisation robotics from Mosquito® and NT8® which enables the automated setting of crystallisation screens with hanging drop, sitting drop, LCP, additive, and seeding methods. Rock Imager 1000 can be used to remotely view and capture high quality images of the protein crystals as well as provide information on the crystal quality. We also have an in-house X-ray facility which allows for the initial screening of the crystals to enable the optimisation and production of better quality crystals for the Synchrotron.



**Mosquito (TTP Labtech)**



**NT8 (Formulatrix)**



**Tecan liquid handler**



**ROCK Imager 1000  
(Formulatrix)**



**MicroMax™-007 HF Microfocus rotating  
anode X-ray generator with mar345  
image plate detector**