

RISK Assessment & Controls (AFM-PARK XE7)

Tasks	Hazards	Associated risks	Risk Controls
Use of Atomic Force microscope	Electrical equipment (microscopes, scanners, cameras and computers)	Possible electric shock	Regular checks of power cords for fault, fraying or wear and regular electrical safety checks. Maintenance only performed by authorized microscopy staff and microscope vendors.
	Ergonomics	Postural damage from extended periods of time working at microscope and computer	Maintain good posture at all times whilst working at the microscopes and computers. Do not work at the microscope /computer for more than two hours without taking a break.
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	Glass slides and coverslips	Cuts from broken glass	Carry slides/coverslips in suitable container. Dispose of any broken slides/coverslips immediately in Sharps containers provided. Dispose of any used slides/coverslips correctly (Sharps containers).
	Experiment specific chemicals and biological materials	Possible exposure to toxic or hazardous chemicals or biological materials	Specimens brought into the facility must be clean, dry, safe and enclosed/contained (eg mounted slide). Samples must be transported correctly. No hazardous chemicals will be allowed in the microscopy area.
Use of microscopes with lasers	Lasers	Eye damage from lasers (UV and visible lasers)	Do not look directly at light source. Maintenance only to be performed by authorized personnel (Lab Incharge and Park Instruments staff)
Use of Microscopy area	Room temperature and humidity	Fluctuations in room temperature and humidity	Problem currently being monitored and dehumidifiers.