**Cambridgecrop geneticseqlogosmall**

**RISK ASSESSMENT FORM Management of Health and Safety at Work Regulations 1999**

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| **Activity title:**  **Brief description:** | ***USING NIKON ECLIPSE C1si CONFOCAL MICROSCOPE***  **Normal use of Nikon Eclipse Confocal Microscope.** |
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| **Location:** | **226** |
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| **Significant hazards:** | **1. Laser Exposure**  **2. UV Exposure**  **3. Minor cuts from broken slides or coverslips** |
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| **Who might be exposed to the hazards:** | Confocal microscope users **No. Of people:** 1-2  **Frequency of exposure:** infrequent **Duration:** Two hours or less |
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| **Hazard control measures:** | Only trained users are permitted to use the equipment.  The laser beam is contained within a sealed enclosure and fibre-optic cabling during normal operation.  UV light is contained within a sealed enclosure and fibre-optic cabling during normal operation. |
| **Protective equipment:** |  |

**Are risks adequately controlled: YES/NO Yes**

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| **Additional measures required:** | **None** |
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| **Completed by:**  **Supervisor:** | *Name:* Ian Clark *Signed:*       *Date:*  *Name:*       *Signed:*       *Date:* |

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| **Reviewed:** | *Name:* | *Signed:* | *Date:* |
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| **GUIDANCE NOTES ON COMPLETING**  **THE RISK ASSESSMENT FORM** |

Significant hazards.

* Only list those that you could reasonably expect to cause significant injuries or affect other people.
* Will the work require the use of machines and tools, how can you or anybody else be injured, will it be significant?
* Will the work require the use of chemicals? Check safety data sheet for harmful effects and exposure limits.
* Will the work produce any fumes, vapours, dust or particles; can they cause significant harm?
* Are there any significant hazards due to the location of the work, confined space, mixed use, other equipment or inadequate design?

Who might be exposed?

* Remember to include yourself, your supervisor and others who might be passing through the area.
* Those more vulnerable or less experienced must be identified. Pregnant women and those with medical conditions must be identified.
* How frequently is this work carried out? How many people could be exposed?

Existing control measures.

* List the methods used to limit exposure e.g. fume hoods, containment cabinets, etc.
* Ensure that use of such equipment is maintained by training and Standard Operating Procedures.

Personal Protective Equipment

* Laboratory coats, gloves, eye protection, etc.

Are the risks adequately controlled?

* With all the measures in place are there hazards that still pose significant risk?
* Personal judgement may be needed for who does the work, when and where it is carried out.

Additional controls.

* Are there special additional control measures that can reduce risk?
* Are there adequate controls for servicing the work area? Permits to work should be issued to all maintenance and service personnel.
* Are there identifiable procedures to handle emergencies if all else fails?
* Is this risk assessment incorporated into the emergency procedures of the Department?

Review this risk assessment within 12 months or whenever there is an accident or incident.

**Submit a copy to the Safety Officer.**