**Manchester Institute of Biotechnology - Risk Assessment Form**



| **Date:** 13/01/15 | **Assessed by**:  Fiona Marriage | **Validated by**:  Tanya Aspinall | **Location**:  MIB |  | **Review date:**  12/01/16 |
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| **Task**  Use of Nanodrop ND-1000 Spectrophotometer.  Measuring the concentration of DNA or RNA using a fully enclosed UV Light source. The process requires aliquoting low volumes of samples on to the loading pedestal of the machine. | | | | | |

| **Activity** | **Hazard** | **Person(s) in dange**r | **Existing measures to control risk** | **Risk rating** | **Result** |
| --- | --- | --- | --- | --- | --- |
| Use of Spectrophotometer Equipment. | Electrical hazard - risk of electric shock | Staff | All equipment and power supplies are safety tested and regularly maintained. | low | A |
|  | Trailing electrical leads – risk of slips/trips | Staff and others in lab | All excess leads are coiled and taped to minimise the risk of slip/trips. | low | A |
| Pipetting solutions and samples | Splash – Skin Contact | Staff | Provided all SOPs are followed correctly and Howie style lab coats and disposable EN374 compliant gloves are worn whilst carrying out sample preparation the risk of solutions/samples coming in to contact with the skin is minimal.  Regular lab inspections monitor the wearing of PPE; users found not to be wearing PPE when the risk assessment states that it must be worn will be subject to the MIB compliance policy | low | A |

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| **Authorisation by PI**  **I confirm that I have considered and understand the experiment and the associated hazards. I am satisfied that all of the hazards have been identified and that the control measures to be followed will reduce the risks to acceptable levels.**  **Print name: Signed:**  **Date:** |

**Declaration by researcher**

**I confirm that I have read this Risk Assessment and that I understand the hazards and risks involved and will follow all of the safety procedures stated. Where PPE has been identified as a control measure, I will ensure that it is worn.**

**Declaration by PI**

**I confirm that the researcher who has signed below is competent to undertake the work. My counter-signature indicates that I am happy for the work to proceed.**

| **Name (please print)** | **Signed** | **PI countersignature** | **Date** |
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