**Manchester Metropolitan University**

**Risk Assessment Template**

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| **Assessment Ref No:**  RA-006\_V1.2 | **Author:**  Dr. Liam Hanson | **Assessed By:**  Mr. Garry Pheasey  (Technical Services Manager & PD) | **Validated By:**  Prof. Hans Degens (Designated Individual) | **Date of Assessment:**  03/03/2023 | **Review Date:**  03/03/2025 |
| **Location:** John Dalton Tower | | **Activity:** Safe Transport of Human Tissue | | | |
| **Overall Risk Rating (using matrix) after Control Measures have been Implemented:  1-3  4-6  8-12  15-25** | | | | | |
| **Other Risk Assessments or COSHH Assessments Related to this Activity:** SOP MMU-HTA 004 - [MMUHTA\_004 Transport of Human Tissue.docx](https://stummuac.sharepoint.com/:w:/r/sites/pro-rke-hta/Shared%20Documents/SOPs/MMUHTA_004%20Transport%20of%20Human%20Tissue.docx?d=wc56cea553d8b4cecba33b375e87da47b&csf=1&web=1&e=ZAxUI2) | | | | | |

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| **What are the hazards?** | **Who might be harmed and how?** | **What are you already doing?** | **Likelihood**  **(L)** | **Impact**  **(I)** | **Risk Rating**  **(L x I)** | **Do you need to do anything else to control this risk?** |
| Spillage of Biological Material | Material could potentially be pathogenic and contact with material could cause harm | Have an SOP [MMU-HTA 004](https://stummuac.sharepoint.com/:w:/r/sites/pro-rke-hta/Shared%20Documents/SOPs/MMUHTA_004%20Transport%20of%20Human%20Tissue.docx?d=wc56cea553d8b4cecba33b375e87da47b&csf=1&web=1&e=ZAxUI2) which states: -   1. How Human tissue should be packed so avoiding spillage. 2. Correct safety labelling of the packages.   In the case of a spill the area should be cleaned down with 70% EtOH followed by disinfection using 1% VirkonTM solution | **1** | **3** | **3** | No action – no further action but ensure controls are maintained and reviewed |
| Dry Ice transportation | The courier /driver and passengers in a vehicle used to transport the material | The SOP [MMU-HTA 004](https://stummuac.sharepoint.com/:w:/r/sites/pro-rke-hta/Shared%20Documents/SOPs/MMUHTA_004%20Transport%20of%20Human%20Tissue.docx?d=wc56cea553d8b4cecba33b375e87da47b&csf=1&web=1&e=ZAxUI2) provides information regarding methodology for packing human material in dry ice and transporting material in dry ice ready for transport.  All packages containing dry ice should be labelled with the dry ice label UN 1845 and the weight of dry ice contained within the package. This should match the weight of dry ice indicated on the Wayslip  Couriers should be consulted for specific rules on shipping goods on dry ice. | **1** | **2** | **2** | No action – no further action but ensure controls are maintained and reviewed |
| Loss of Samples Through Packing Failure | Samples could be damaged should packing fail; failures include but are not limited to:   * Sublimation of packing dry ice * Heating of ice packs * Improper Handling resulting in internal damage i.e. Broken slides, cracked vials | A temperature probe should be used to monitor tissue samples during transport, ensuring correct temperature is maintained  Dry ice levels should be periodically checked during transport, and refilled if/when required  Additional packaging, along with appropriate warning labels, should be used when transporting fragile samples | **1** | **3** | **3** | No action – no further action but ensure controls are maintained and reviewed |

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| **Risk Grading Matrix** | | **IMPACT** | | | | |
| **Insignificant (1)** | **Minor (2)** | **Moderate (3)** | **Major (4)** | **Severe (5)** |
| **Health** | | Minor impact requiring a short break from the work activity | Short period of ill health <7 days off work | Ill health requiring >7 days off work | RIDDOR reportable disease | Life changing or life limiting disease |
| **Safety** | | Minor injury / first aid treatment | Injury requiring medical treatment <7 days off work | Injury requiring medical treatment >7 days off work | Major injury – loss of limb or broken bones | Injury requiring extensive rehabilitation of Fatality |
| **Compliance** | | Observations raised through audit or inspection | Minor non-conformance raised through audit or inspection | Major non-conformance raised through audit or inspection | Breach of legislation – reported to, or visit from regulator | Punitive action from regulator e.g. improvement notice, prosecution |
| **LIKELIHOOD** | **Rare (1)** | **1** | **2** | **3** | **4** | **5** |
| **Unlikely (2)** | **2** | **4** | 6 | **8** | **10** |
| **Possible (3)** | **3** | **6** | **9** | **12** | **15** |
| **Likely (4)** | **4** | **8** | **12** | **16** | **20** |
| **Almost Certain (5)** | **5** | **10** | **15** | **20** | **25** |

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| **Risk Rating** | **Action Required to Control the Risk** |
| 1-3 | No action – no further action but ensure controls are maintained and reviewed |
| 4-6 | Monitor – look to improve at next review or if there is a significant change |
| 8-12 | Action – improve within specified timescale |
| 15-25 | Urgent action – take immediate action and stop activity, maintain existing controls rigorously |

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| **Actions Identified to Control the Risk Further** | **By whom?** | **By when?** | **Done** |
| Risk to tissue during transport identified, actions put in place to control for potential risks to tissue should transport failure | HTA Auditor | HTA Audit | Completed – 01/03/2023 |
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