| Date:  13/11/15 | Assessed by:  Hannah Roberts | Validated by:  Tanya Aspinall | Location:  John Garside Building |  | Review date:  12/11/16 |
| --- | --- | --- | --- | --- | --- |
| Task / premises:   * Public engagement activity: ‘MIB Open Day’ * Interactive Science Stand: The Complex Life of Sugars * Claire Doherty in overall charge. Volunteers involved in the session are ‘facilitators’ only. * All accidents to be reported to a First Aider and reported accordingly. | | | | | |

TUOM_4COL**Manchester Institute of Biotechnology – Risk assessment**

| Activity | Hazard | Who might be harmed and how | Existing measures to control risk | Risk rating | Result |
| --- | --- | --- | --- | --- | --- |
| Glucose Testing | Glucose oxidase | Visitors will pipette this substance into wells. May cause sensitization by inhalation and irritating to respiratory system. | PPE must be worn by all staff and visitors (lab coats, nitrile gloves and glasses). Only used in a dilute solution. | L | A |
| Glucose Testing | ABTS [2,2’-Azino-bis(3-ethylbenzothiazoline-6-sulfonic acid) diammonium salt] | Visitors will pipette this substance into wells. Irritating to eyes, respiratory system and skin. | PPE must be worn by all staff and visitors (lab coats, nitrile gloves and glasses). Only used in a dilute solution. | L | A |
| Cell surface sugars | Glue | Visitors will stick foam shapes onto acetate paper using glue. | Use of non-toxic glue dots. | L | T |
| Sugars under the microscope | Glass microscope slides | Visitors will prepare and use samples of sugars within glass microscope slides. Sharps hazard. | Place used and broken glass slides into sharps container provided. | L | T |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Action plan** | | | | |
| **Ref No** | **Further action required** | **Action by whom** | **Action by when** | **Done** |
| 1 | Glucose oxidase diluted and aliquoted into vials prior to use by staff and visitors. | CDoherty | 13/11/2015 |  |
| 2 | ABTS diluted and aliquoted into vials prior to use by staff and visitors | CDoherty | 13/11/2015 |  |

|  |
| --- |
| **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: Sabine Flitsch Signed:** signature_SLF_large  **Date: 19/10/2015** |