| 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.
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**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** |