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| Health and safety services |

Risk assessment form

Using analytical balances

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| **RISK ASSESSMENT DETAILS** | **DEGREE OF RISK** | **RISK RATING MATRIX** |
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| Faculty/School/Service | Earth and Environment |
| Team | Cohen |

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| Risk Assessment Title | Using analytical balances |
| Risk Assessment Log Reference |  |
| Date | 7/07/2016 |
| Name of Assessors | Andy Connelly |
| Manager Responsible | Caroline Peacock |
| Location | Cohen lab suit (level 8 & 9) |
| Details of ActivityUsing an analytical balance. |

Other assessments which might also be required, ✓ if needed:Manual Handling REF COSHH REF Personal Protective Equipment (PPE) ✓ REFNoise REFOther REF |

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| **LIKELIHOOD (L)** |
| 5 | Inevitable |
| 4 | Highly Likely |
| 3 | Possible |
| 2 | Unlikely |
| 1 | Remote Possibility |

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|  |  | **SEVERITY** |
|  **LIKELIHOOD** |  | 1 | 2 | 3 | 4 | 5 |
| 1 | 1 | 2 | 3 | 4 | 5 |
| 2 | 2 | 4 | 6 | 8 | 10 |
| 3 | 3 | 6 | 9 | 12 | 15 |
| 4 | 4 | 8 | 12 | 16 | 20 |
| 5 | 5 | 10 | 15 | 20 | 25 |

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| **SEVERITY (S)** |
| 5 | Very High -Multiple Deaths |
| 4 | High - Death, serious injury, permanent disability |
| 3 | Moderate - RIDDOR over 3 days |
| 2 | Slight - First Aid treatment |
| 1 | Nil - Very Minor |

 | **PERSONS AT RISK** |
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| PERSONS AT RISK |
| Employees |
| Students |
| Clients |
| Contractors |
| Members of the public |
| Work Experience students |
| Other Persons |

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| **REVIEW DATES** |
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| RISK RATING SCORE | ACTION |
| 1 - 4 | Broadly Acceptable - No action required |
| 5 - 9 | Moderate - Reduce risks if reasonably practicable |
| 10 -15 | High Risk - Priority Action to be undertaken |
| **16 -25** | Unacceptable **-Action must be taken IMMEDIATELY** |

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| **HAZARD AND RELATED ACTIVITIES**e.g. trip, falling objects, fire, explosion, noise, violence etc. | **PERSONS** **AT RISK**e.g. Employees, Customers, Contractors, Members of the public | **POSSIBLE OUTCOME** | **RISK RATING BEFORE CONTROLS (LxS)** | **EXISTING CONTROLS**e.g. Guards, Safe Systems of Work, Training, Instruction, Authorised Users, Competent Persons, Personal Protective Equipment (PPE) | **RISK RATING AFTER CURRENT CONTROLS (LxS)** | **FURTHER CONTROLS REQUIRED?** | **RISK RATING AFTER ADDITIONAL CONTROLS (LxS)** |
| Potential for breakage of glass doors | User other lab users | Resulting in possibility of cuts due to broken glass | 1(l)x2(s)=2 | None required other than being careful when using. Follow SOP |  |  |  |
| Handling check weights | User | Drop onto hand or foot (low mass) | 2(l)x1(s)=2 | None required. Follow SOP |  |  |  |
| Electric Shock | User | Electrocution or electric burns | 2(l)x4(s)=8 | Regular PAT testing of all electrical equipment. Follow SOP | 1(l)x4(s)=4 |  |  |

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| Handling users samples | Before using the balances users must carry out risk and COSHH assessments to identify issues with user’s samples. Any lab users at risk from the samples must be informed; this includes personnel training user. |

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| **COMMENTS AND INFORMATION**(Use this section to record any dynamic risk assessment comments and information) |
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| **Do additional controls adequately lower high risk activities to an acceptable level?** | **YES / ~~NO~~**If NO explain in comments box above | **SIGNATURE OF MANAGER**"The risks identified in this assessment are controlled so far as is reasonably practicable" |
| Signature:  | Date:  |

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| **DATE OF REASSESSMENT**(Every two years minimum) | **ARE THERE ANY CHANGES TO THE ACTIVITY SINCE THE LAST ASSESSMENT?** | **SIGNATURE OF MANAGER** |
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| **LOCATION OF CURRENT SIGNED RISK ASSESSMENT** |  |