

Health and Safety Office

Laboratory Safety Inspection Checklist

Note: In view of the specialised nature of laboratories inspections should be undertaken by, or in the presence of personnel familiar with the inherent dangers involved and the safety precautions necessary.

Area of inspection:				
Person responsible:				
Inspection carried out by:	Date:			
	Yes	No	N/A	Comments
Information, signs and labels:	100			Commonte
Laboratory Safety Management Plan available				
2. Departmental Safety Handbook available				
Statutory safety signs and notices clearly displayed				
Standard operating procedures for routine operations / risk assessments available and current				
5. Is there evidence that the risk assessments etc are being complied with				
6. Chemical hazard signage where needed				
7. Radiation hazard trefoil / signage where needed				
8. Biological hazard trefoil / signage where needed				
9. Training records kept				
Housekeeping / general lab safety:				
10. Walkways and floor area clear and uncluttered and free from trip hazards				
11. Work areas tidy and free from obstructions (include kneeholes)				
12. Bench tops free of excess storage and materials not in use				

	Yes	No	N/A	Comments
13. Bench tops and coverings free of visible contamination				
14.Balance areas clean and free from visible contamination				
15. Sinks clear of clutter, glassware				
16. Heat guns switched off at mains when not in use				
17.Shelves accessible, properly secured and loaded				
18. Storage above eye level minimised				
19. All portable electrical equipment tested (include radios)				
20. Trailing cables / leads, overloaded multi-gang adaptors				
21. All electrical equipment placed so as to avoid risk of damage				
22. Vacuum lines covered with mesh				
23. Rotary evaporators have plastic coating or covered with mesh				
24. Pressure systems documented and checked				
25. All fridges / freezers have had ignition sources removed and are labelled to this effect				
26. Fridge boxes used and contents labelled				
27. Fridges and freezers need defrosting				
28. Waste properly segregated (glass, sharps, chemical etc)				
29.Hand washing facilities available and free from contamination				
30. Evidence of eating and drinking in lab				
31. No storage of food and drink in lab and lab fridges / freezers unless clearly labelled 'Not for human consumption'				

	Yes	No	N/A	Comments
Personal Protective equipment:				
32. Chemical resistant gloves available and worn				
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33. Eye protection available and worn				
34. Protective clothing available and worn				
35. Appropriate respiratory protection available				
36. Respirators cleaned, stored, inspected regularly				
Chemicals / chemical storage:				
37. Chemicals used or stored in area				
38. Up-to-date inventory maintained for all chemicals / hazardous materials				
39. Storage areas neat and clean				
40. Containers clearly labelled with chemical names (in English), CAS Numbers, percent composition (for mixtures), and hazard warnings				
41. Containers labelled with receipt date and group name				
42. Chemicals are segregated and stored according to chemical compatibilities [flammables away from oxidizers, acids separate from bases, incompatible acids separated (eg. nitric and sulphuric acid not with acetic acid,) etc]				
43. All chemical storage cabinets bunded / spill trays used				
44. Corrosives stored in acid cabinets				
45. Flammable liquids stored in approved fire- resistant cabinets				
46. Quantity of flammable liquid stored in lab not in excess of 50 litres				
47. Minimum quantity of flammable liquid stored on open bench				
48. Ignition sources avoided when using / storing flammables				

	Yes	No	N/A	Comments
49. Storage of chemicals above eye level avoided				
50. Chemicals stored away from light and heat sources				
51. Chemical containers are in good condition, labels intact, metal cans free of rust				
52. Containers closed unless actively adding/removing contents				
53. Water and air reactive compounds are sealed against exposure to water				
54. Large containers stored near the floor				
55. Winchesters and glass bottles on floor				
56. Winchester bottle carriers utilized when transporting hazardous chemicals between work areas				
57. All personnel know the location of chemical inventory, MSDS, and related reference material				
58. All personnel familiar with physical and health hazards of chemicals in work area				
59. All personnel know how to protect themselves and others from effects of hazardous materials				
60. Chemical waste properly segregated and labelled (chlorinated, non-chlorinated etc)				
61. Chemical waste allowed to accumulate				
Fume Cupboards / LEV:				
62. Fume cupboards free of clutter				
63. Large pieces of equipment raised to allow airflow				
64. Procedures conducted at least 150mm inside cupboard				
65. Sash lowered to optimum setting and closed when left unattended				

	Yes	No	N/A	Comments
66. Local exhaust ventilation / fume extraction				
systems operating correctly				
67. Extraction systems inspected in last 14				
months				
Compressed gases:				
68. Cylinders stored upright and properly secured				
at all times				
69. Cylinders capped when not in use				
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70. Correct regulations used for type of gas,				
pressure bled when not in use				
71. Pagulators shocked and display valid test				
71. Regulators checked and display valid test sticker				
dionor				
72. Cylinders in good condition and clearly marked				
72. Emphy pulinders preparately removed from Joh				
73. Empty cylinders promptly removed from lab				
74. Flammable gases separated from oxidising				
gases by distance, wall or partition				
Distantant aufatu				
Biological safety:				
75. GM risk assessments available and fulfil				
requirements of containment level				
70 Inventory of historical anatomatical				
76. Inventory of biological agents maintained				
77. Validated deactivation procedures in place				
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78. Provision of disinfectant				
Radiation safety:				
radiation salety.				
79. Designated areas / sinks				
80. Local rules in place				
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81. Inventory of radioisotopes maintained				
82. Proper shielding in place and being used				
correctly				
OO December Local				
83. Records kept				
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	Yes	No	N/A	Comments
84. Fridges / freezers locked				
85. Regular monitoring (recorded)				
Emergency:				
86. Emergency fire and first aid numbers and procedures on display and understood by staff				
87. Fire doors maintained and kept clear				
88. Fire extinguishers / fire blankets in designated place, clearly visible and unobstructed				
89. Appropriate fire extinguishers for hazard classification				
90. Have fire extinguishers been maintained in last 12 months				
91. First-aid kit available, adequately stocked and items in date				
92. Safety shower / eyewash clearly visible and unobstructed				
93. Safety shower / eyewash regularly tested				
94. Eyewash bottles sealed and in date				
95. Spill control materials readily available and personnel familiar with how to use them				
(use this space to add any additional observations n separate sheet)	ot alrea	ady cov	ered ab	ove – continue on a

Recommendations / action to be taken:	
Signed (Supervisor/Safety Representative):	Date:

Any faults noted above should be corrected as soon as possible and within four weeks of this inspection. The Departmental Safety Officer must be notified of any corrective action taken. A follow-up visit will be undertaken to ensure all points noted above have been addressed.