|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Classification of lab’s original grades** | **Judgement** | **Management requirements** | **Safety training** | **Safety assessment** | **Condition guarantee** |
| **Class I/Red Laboratories (significant risk laboratories)** | The laboratory has one of the following. | * The main party and government officials of the school take the lead in carrying out no less than one safety inspection per year.
* The competent functional departments of the school carry out no less than 1 safety inspection per month.
* Secondary units to carry out no less than 1 weekly safety inspection.
* Laboratory to do "the end of the experiment must patrol".
 | * Laboratory safety management personnel, laboratory personnel to complete no less than 24 hours of access to safety training, and then complete no less than 8 hours of safety training each year (including emergency drills).
* Carry out no less than two emergency drills per year (including emergency drills for important sources of danger).
 | Research projects, student projects and other experimental activities should be carried out safety risk assessment. Experimental activities involving important sources of danger should be filed in the secondary units, and the university will not regularly conduct random checks. For important sources of danger to develop appropriate management methods and emergency measures, responsibility to the person; Carry out no less than one emergency drill for important sources of danger every year. | Installation of surveillance and necessary monitoring and alarm devices at high-risk locations. Storage of hazardous materials and other important sources of danger is strictly enforced by public security control or regulatory requirements of other departments; and Equipped with sufficient full-time laboratory safety management personnel. Equipped with the necessary personal protective equipment and facilities |
| (1) The raw materials or products of the experiment contain highly toxic chemical ingredients; and |
| (2) Use of highly toxic chemicals. |
| (3) Storage of Class I excisable drugs and Class I psychotropic substances. |
| (4) Storage of flammable and explosive chemicals totaling more than 50kg or 50L. |
| (5) Storage of toxic, flammable gases totaling ≥ 6 bottles; and |
| (6) Biosafety BSL-3, ABSL-3, BSL-4, ABSL-4 laboratories. |
| (7) Use of class I and I radiological equipment; and |
| (8) Use of radioisotopes, radioactive sources and nuclear materials. |
| (9) Use of electromechanical special equipment; and |
| (10) Use of pressure vessels of the third category, such as ultra-high pressure. |
| (11) Use of strong magnetic and electric equipment. |
| (12) Use of Class 4, 3R, 3B laser equipment. |
| (13) Use of homemade equipment for oxygen-enriched explosives-related laboratories. |
| (14) Other cases as specified by the university itself |
| Laboratories scoring 100) points according to the University Laboratory Safety Risk Evaluation Form |
| **Class II/Orange Laboratories (high-risk laboratories)** | The laboratory has one of the following. | * The head of the school takes the lead in carrying out no less than one safety inspection per year.
* The competent functional departments of the school carry out no less than 1 safety inspection per quarter.
* Secondary units to carry out no less than one safety inspection per month.
* Laboratory to do "the end of the experiment must patrol".
 | * Laboratory safety management personnel, laboratory personnel to complete no less than 16 hours of access to safety training, and then complete no less than 4 hours of safety training each year (including emergency drills).
* Conduct no less than one emergency drill per year (including emergency drills for important sources of danger).
 | Research projects, student projects and other experimental activities should be carried out safety risk assessment. Experimental activities involving important sources of danger should be filed in the secondary units, and the university will not regularly conduct random checks. For important sources of danger to develop appropriate management methods and emergency measures, responsibility to the person; Carry out no less than one emergency drill for important sources of danger every year. | Installation of surveillance and necessary monitoring and alarm devices at high-risk locations. Storage of hazardous materials and other important sources of danger is strictly enforced by public security control or regulatory requirements of other departments; and Equipped with sufficient full-time laboratory safety management personnel. Equipped with the necessary personal protective equipment and facilities |
| (1) Storage of psychotropic substances of Class II. |
| (2) Storage of flammable and explosive chemicals totaling 20 to 50 kg or 20 to 50 L; and |
| (3) Storage of toxic and flammable gases totaling 3 to 6 (excluding) bottles. |
| (4) Biosafety BSL-2, ABSL-2 laboratories. |
| (5) Use of pressure vessels of the first and second types; and |
| (6) Other cases as specified by the university itself |
| Laboratories scoring in the [75,100) range according to the University Laboratory Safety Risk Evaluation Scale |
| **Class III/Yellow Laboratories (medium-risk laboratories)** | The laboratory has one of the following. | * The competent functions of the school carry out no less than 1 safety inspection every six months.
* Secondary units to carry out no less than 1 quarterly safety inspections.
* Laboratory to do regular checks
 | * Laboratory safety management personnel, laboratory personnel to complete no less than 8 hours of access to safety training, and then complete no less than 2 hours of safety training each year (all of the above including emergency drills)
* Laboratory emergency drills no less than 1 times a year
 | Experimental activities such as scientific research projects and student projects should be subject to safety risk assessment. Experimental activities involving important sources of danger should be filed with the secondary unit, which conducts random checks from time to time. The secondary unit judge that if necessary, can be temporarily according to the higher level of laboratory safety requirements for management | Installation of surveillance and necessary monitoring and alarm devices at important risk points. Provide sufficient part-time laboratory safety management personnel. Equipped with necessary personal protective equipment and facilities |
| (1) Storage of class II/III excisable drugs. |
| (2) Biosafety BSL-1, ABSL-1 laboratories. |
| (3) Aging infrastructure. |
| (4) Other cases as specified by the university itself |
| Laboratories scoring in the [25,75) range according to the University Laboratory Safety Risk Evaluation Scale |
| **Class IV/Blue Laboratory (low risk laboratory)** | The laboratory has one of the following. | * The competent functionaries of the school carry out no less than 1 safety inspection per year.
* Secondary units carry out no less than one safety inspection every six months.
* Laboratories are inspected regularly
 | * Laboratory safety management personnel, laboratory staff to complete no less than 4 hours of access to safety training, followed by an appropriate amount of safety training arranged annually in accordance with the actual needs of the school (all of the above including emergency drills).
* Carry out no less than one emergency drill each year
 | Experimental activities such as scientific research projects and student projects should be subject to safety risk assessment. Experimental activities involving important sources of danger should be filed with the secondary unit, which conducts random checks from time to time. The secondary unit judge that if necessary, can be temporarily according to the higher level of laboratory safety requirements for management | Equipped with the necessary part-time laboratory safety management personnel. Equipped with the necessary personal protective equipment and facilities |
| (1) Laboratories not involving significant sources of hazard. |
| (2) Laboratories primarily concerned with general fire safety and electrical safety. |
| (3) Other cases as specified by the university itself |
| Laboratories scoring in the [0,25) range according to the University Laboratory Safety Risk Evaluation Scale |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **实验室等级分类** | **判定情况** | **管理要求** | **安全培训** | **安全评估** | **条件保障** |
| **I 级/红色级实验室（重大风险实验室）** | 实验室有以下情况之一的: | 学校党政主要负责人每年牵头开展不少于1次安全检查;学校主管职能部门每月开展不少于1次安全检查;二级单位每周开展不少于1次安全检查;实验室做到“实验结束必巡” | 实验室安全管理人员、实验人员完成不少于24学时的准入安全培训，之后每年完成不少于8学时的安全培训(以上均含应急演练);每年开展不少于2次应急演练(含针对重要危险源的应急演练) | 科研项目、学生课题等实验活动应进行安全风险评估;涉及重要危险源的实验活动应在二级单位备案，学校不定期抽查;针对重要危险源制定相应的管理办法和应急措施，责任到人;每年开展不少于1次针对重要危险源的应急演练 | 高风险点位安装监控和必要的监测报警装置;危化品等重要危险源存储严格执行治安管控或其他部门监管要求;配备充足的专职实验室安全管理人员;配备必要的个体防护设备设施 |
| (1) 实验原料或产物含剧毒化学成分; |
| (2) 使用剧毒化学品; |
| (3) 存储第一类易制毒品、第一类精神药品; |
| (4) 存储易燃易爆化学品总量大于50kg或50L; |
| (5) 存储有毒、易燃气体总量≥6瓶; |
| (6) 生物安全BSL-3、ABSL-3、BSL-4、ABSL-4实验室; |
| (7) 使用I、I类射线设备; |
| (8) 使用放射性同位素、放射源、核材料; |
| (9) 使用机电类特种设备; |
| (10) 使用超高压等第三类压力容器; |
| (11) 使用强磁、强电设备; |
| (12) 使用4、3R、3B类激光设备; |
| (13) 使用富氧涉爆实验室自制设备; |
| (14) 高校自行规定的其他情况 |
| 按照《高校实验室安全风险评价表》评分达到100)分的实验室 |
| **II 级/橙色级实验室（高风险实验室）** | 实验室有以下情况之一的: | 分管校领导每年牵头开展不少于1次安全检查;学校主管职能部门每季度开展不少于1次安全检查;二级单位每月开展不少于1次安全检查;实验室做到“实验结束必巡” | 实验室安全管理人员、实验人员完成不少于16学时的准入安全培训，之后每年完成不少于4学时的安全培训(以上均含应急演练);每年开展不少于1次应急演练(含针对重要危险源的应急演练) | 科研项目、学生课题等实验活动应进行安全风险评估;涉及重要危险源的实验活动应在二级单位备案，学校不定期抽查;针对重要危险源制定相应的管理办法和应急措施，责任到人;每年开展不少于1次针对重要危险源的应急演练 | 高风险点位安装监控和必要的监测报警装置;危化品等重要危险源存储严格执行治安管控或其他部门监管要求;配备充足的专职实验室安全管理人员;配备必要的个体防护设备设施 |
| (1) 存储第二类精神药品; |
| (2) 存储易燃易爆化学品总量为20~50kg或20~50L; |
| (3) 存储有毒、易燃气体总量为3~6(不含)瓶; |
| (4) 生物安全BSL-2、ABSL-2实验室; |
| (5) 使用第一类、第二类压力容器; |
| (6) 高校自行规定的其他情况 |
| 按照《高校实验室安全风险评价表》评分在[75,100)范围的实验室 |
| **III 级/黄色级实验室（中风险实验室）** | 实验室有以下情况之一的: | 学校主管职能部门每半年开展不少于1次安全检查;二级单位每季度开展不少于1次安全检查;实验室做到经常性检查 | 实验室安全管理人员、实验人员完成不少于8学时的准入安全培训，之后每年完成不少于2学时的安全培训(以上均含应急演练);实验室每年开展不少于1次应急演练 | 科研项目、学生课题等实验活动应进行安全风险评估;涉及重要危险源的实验活动应在二级单位备案，二级单位不定期抽查;二级单位判断如有必要，可临时按更高等级实验室安全要求进行管理 | 在重要风险点位安装监控和必要的监测报警装置;配备充足的兼职实验室安全管理人员;配备必要的个体防护设备设施 |
| (1) 存储第二/三类易制毒品; |
| (2) 生物安全BSL-1、ABSL-1实验室; |
| (3) 基础设备老化; |
| (4) 高校自行规定的其他情况 |
| 按照《高校实验室安全风险评价表》评分在[25,75)范围的实验室 |
| **IV 级/蓝色级实验室（低风险实验室）** | 实验室有以下情况之一的: | 学校主管职能部门每年开展不少于1次安全检查;二级单位每半年开展不少于1次安全检查:实验室做到经常性检查 | 实验室安全管理人员、实验人员完成不少于4学时的准入安全培训，之后每年根据学校实际需要安排适量的安全培训(以上均含应急演练);每年开展不少于1次应急演练 | 科研项目、学生课题等实验活动应进行安全风险评估;涉及重要危险源的实验活动应在二级单位备案，二级单位不定期抽查;二级单位判断如有必要，可临时按更高等级实验室安全要求进行管理 | 配备必要的兼职实验室安全管理人员;配备必要的个体防护设备设施 |
| (1) 不涉及重要危险源的实验室; |
| (2) 主要涉及一般性消防安全、用电安全的实验室; |
| (3) 高校自行规定的其他情况 |
| 按照《高校实验室安全风险评价表》评分在[0,25)范围的实验室 |