

温州肯恩大学理工学院文件

理工学院〔2024〕1号

关于印发《温州肯恩大学理工学院环境科学实验室安全守则》等制度的通知

各位老师：

《温州肯恩大学理工学院环境科学实验室安全守则》
《温州肯恩大学理工学院科研实验室安全守则》《温州肯恩大学理工学院实验动物房生物安全管理制度》已经2024年第38次党政联席会议通过，现予以印发，请遵照执行。

特此通知。

- 附件：1.温州肯恩大学理工学院环境科学实验室安全守则
2.温州肯恩大学理工学院科研实验室安全守则
3.温州肯恩大学理工学院实验动物房生物安全管理办法



附件 1

温州肯恩大学理工学院环境科学实验室 安全守则

第一条 环境科学实验室不对外开放，除环境科学教授、主修或选修实验课程的学生、科研人员及实验技术员外，其他人不得擅自进入实验室。

第二条 进入实验室前要求着装规范，短裤、短裙、裸露脚趾的鞋、高跟鞋等均是不符合实验室要求的着装，将不得进入实验室进行实验。长发和宽松的服饰须扎紧，不宜佩戴金属首饰。

第三条 当实验涉及使用化学品、环境微生物和其他实验材料或身旁有人正在使用接触这些试验材料时，都必须戴上手套穿上实验服直至实验结束离开实验室。不能戴手套触碰公共物品（如门把手、鼠标键盘、电梯按键等）。

第四条 进入实验室的人员必须遵守实验室的各项规章制度，爱护公物，保持安静，禁止饮食或吸烟，不准出现任何嬉戏、打闹和恶作剧等行为。

第五条 在开始实验操作之前，请完整阅读实验手册并仔细听取任课老师给出的说明。禁止在任课老师到达前自行

开始实验操作。禁止擅自进行课程内容以外的实验。

第六条 在进行任何实验之前，检查所有设备是否有缺陷。请勿使用损坏的设备或破损的玻璃器皿。如发现无法正常工作的设备时，立即向任课老师或者实验技术员报告。

第七条 书包、背包、外套等禁止放在有化学品的实验区域。实验室不得存放任何与实验无关的物资、个人贵重物品和现金。

第八条 生物安全柜、超净工作台需严格遵循无菌操作。实验前后务必进行紫外消杀。

第九条 禁止将正在进行的实验处于无任何人员看护的情况下。

第十条 禁止将任何化学品、实验设备带离实验室。

第十一条 使用试剂前，需仔细阅读标签。清楚试剂的毒理性和物理、化学性质。如有需要，查询化学品安全数据表(MSDS)。

第十二条 禁止将未使用的化学品、污染后的化学品倒回原试剂瓶中。按需取用试剂，禁止浪费。

第十三条 对有毒、有害、易燃、易爆、易腐蚀物品、重金属应向专人申请领用。

第十四条 强刺激性、强挥发性、有毒、有腐蚀性气体实验要在通风橱内进行。严禁将任何灼热物品直接放在实验台上。严禁随意混合化学试剂。

第十五条 所有实验废弃物必须按照规定妥善处理，将实验废弃物倒入相应的废物/废液桶中。禁止将实验室废物/废液直接倒入水槽。

第十六条 在离开实验室之前，请将所有实验仪器归位，将所有玻璃器具清洗干净，保持实验台整洁有序。

第十七条 涉及电气设备的实验中请务必注意用电安全。实验室不得乱拉电线，仪器设备的电线、插头和接线板必须符合用电要求，若有损坏，立即向任课老师或实验技术员报告。

第十八条 牢记消防器材（消火栓、灭火器等）、急救箱、紧急淋洗器、洗眼装置等安全设施，且掌握正确的使用方法。牢记安全通道的位置，熟悉逃生路线。

第十九条 当发现实验室出现任何人员受伤、试剂打翻、起火或者爆炸情况，必须立即告知任课老师和实验技术员。不管严重程度大小，所有受伤和意外情况都必须报告。如果发生紧急情况，必须立即寻求校园安保人员的援助，或拨打报警电话。

第二十条 对于违反上述规定、造成事故者，视情节轻重给与行政处分或经济索赔，直至追究其刑事责任。

第二十一条 本守则由温州肯恩大学理工学院负责解释。本守则自公布之日起施行

紧急情况报警电话 110

紧急火情报警电话 119

保卫处 24 小时电话

0577-55870110

医务室 24 小时电话

0577-55870120

(适用于非紧急火情和普通医疗救助，以及非危险品泄漏或其他非紧急安全事件)

危险品泄漏处置

当发生危险品泄漏时，或不明物发生泄漏时，请立即撤离至安全地带，并拨打以下电话：

学校行政值班电话： 0577-55870033 （24 小时）

提供所有必要的信息，同时服从调度员的指示。若已知泄漏物的危险成分，同时在具备必要保护措施的情况下，准许自行清理处置泄漏物。若无法确定泄漏物成分，禁止擅自采取任何处置措施，并及时报警，等待专业人员进行处置。

**Environmental Science Laboratory Safety Regulations of
Wenzhou-Kean University's College of Science, Mathematics and
Technology**

Article 1 The laboratory is NOT open to all students nor all faculty. Except for (a) environmental science faculty, (b) students who are enrolled in experimental courses, (c) scientific researchers, and (d) laboratory technicians, no one else can enter the laboratory without permission.

Article 2 Proper attire is required before entering the laboratory and wear shoes which completely cover your feet. Shorts, short skirts, high heels, sandals or any open-toed footwear are NOT permitted. Long hair should be tied back and jewelry should not be worn in the laboratory.

Article 3 When experiments involve the use of chemicals, microorganisms, etc., gloves and lab coats must be worn until the end of experiment. Gloves SHOULD NOT be worn when touching common objects (such as doorknobs, computer peripherals, elevator buttons, etc.).

Article 4 MUST adhere to all laboratory regulations and protect public property. Eating, drinking, or smoking are NOT allowed in the lab. Horseplay in the lab is strictly forbidden.

Article 5 Before beginning lab activity, read the lab manual completely and pay close attention to instructions given by your instructor. Do not begin working or gathering supplies or equipment until your instructor is present. DO NOT perform unauthorized experiments.

Article 6 Before performing any experiment, examine all apparatus for defects. DO NOT use damaged equipment or defective glassware. Immediately report to your

instructor or lab technician any equipment that does not function properly.

Article 7 Bags, backpacks, coats, etc., are prohibited from being placed in areas of the laboratory where chemicals are present. Personal valuables, materials unrelated to experiments should not be stored in the laboratory.

Article 8 Clean hoods and biosafety cabinets must strictly adhere to aseptic procedures. UV disinfection is mandatory before and after experiments.

Article 9 NEVER leave an ongoing experiment unattended.

Article 10 Taking out any chemicals or laboratory equipment from the laboratory is strictly prohibited.

Article 11 Prior to using reagents, carefully read the labels and understand the toxicity, physical, and chemical properties of the reagents. If necessary, check the Material Safety Data Sheet (MSDS).

Article 12 Unused or contaminated chemicals MUST NOT be poured back into their original containers. Reagents should be used as needed, and avoid any waste.

Article 13 Special permission is required to handle toxic, hazardous, flammable, explosive, or corrosive substances, as well as heavy metals.

Article 14 Experiments involving highly irritating, volatile, toxic, or corrosive gases must be conducted in fume hoods. Placing hot items directly on laboratory benches is not allowed. Mixing of random chemical reagents is also strictly prohibited.

Article 15 All experimental waste must be properly disposed of according to regulations. Laboratory waste/liquids must not be poured directly into sinks.

Article 16 Leave your work station clean and organized before leaving the lab.

Article 17 Please exercise caution when handling electrical devices. DO NOT

connect wires indiscriminately in the laboratory. Equipment wires, plugs, and terminal blocks must meet the requirements for electricity safety. If you suspect any damage, immediately report it to your instructor or lab technician.

Article 18 KNOW the location of fire-fighting equipment (fire hydrants, fire extinguishers, etc.), the first aid box, emergency showers, eye washer and understand their correct usage. KNOW the location of safety exits and always remember evacuation routes. All aisles must be always kept open.

Article 19 Notify your instructor and lab technician IMMEDIATELY of any injury, spill, fire or explosion. Regardless of severity, all injuries and accidents must be reported. In case of an emergency, IMMEDIATELY contact campus security personnel or call the police.

Article 20 Those who violate the above regulations and cause accidents will be subject to disciplinary action or financial compensation according to the severity of the situation, and may even face criminal liability.

Article 21 The College of Science, Mathematics and Technology is responsible for the explanation of this regulation. These regulations take effect as of the date of promulgation.

IN CASE OF EMERGENCY CALL 110

IN CASE OF FIRE CALL 119

Security Department(24h), 0577-55870110

Medical Department(24h), 0577- 55870120

(For non-emergency fire, medical, hazardous materials spill or security incidents)

SPILL RESPONSE

When a hazardous material spill occurs, or if it is unknown whether the material is hazardous, go to a secure place and call:

Administrative Duty Phone(24h), 0577-55870033

Provide all information requested and follow the instructions provided by the dispatcher. If the hazards of the material are known and proper protective measures are followed, it is permissible to clean the spill in your work area. If you are unsure in any way DO NOT take any risks.

附件 2

温州肯恩大学理工学院科研实验室安全守则

第一条 为了保障温州肯恩大学理工学院各科研实验室的安全运行，防止事故发生，规范实验室的管理和使用行为，保护师生的安全与健康，特制定本守则。本守则适用于所有使用理工学院自然科学类科研实验室的人员，包括但不限于学生、教师、科研人员及实验技术员。

第二条 本守则适用于温州肯恩大学理工学院所有自然科学类科研实验室，包括但不限于科研实验室、贵重设备室、洗消间等科研配套用房。实验室用户必须严格遵守本守则中规定的各项安全管理要求。

第三条 科研实验室原则上不对外开放，除科研实验室负责人、科研项目负责人、被授权的学生、科研人员及实验员外。参观人员需向所在实验室管理学院或部门报备，接受实验室管理员或指定人员的检查和登记，未经授权的人员不得随意进入实验室。

第四条 进入实验室开展实验前要求着装规范，短裤、短裙、裸露脚趾的鞋、高跟鞋等均是不符合实验室要求的着

装，将不得进入实验室进行实验。所有实验操作人员应将长发整理整齐，并避免佩戴金属首饰，以减少意外伤害的风险。

第五条 建议戴上手套进行所有实验操作，对于进行某些特定实验前，必须戴上手套。不能戴手套触碰公共物品（如门把手、鼠标键盘、电梯按键等）。

第六条 进入实验室的人员必须遵守实验室的各项规章制度，爱护公物，保持安静，禁止饮食或吸烟，不准出现任何嬉戏、打闹和恶作剧等行为。

第七条 在使用实验设备之前，必须接受相关培训并了解设备的操作与维护，严禁未经培训或授权的人员擅自操作。

第八条 在进行任何实验之前，检查所有设备是否有缺陷。请勿使用损坏的设备或破损的玻璃器皿。如发现无法正常工作的设备时，立即向实验室负责人报告。

第九条 所有化学品、试剂、耗材必须妥善标记并存放在指定的柜子或货架上。禁止随意拿取其他课题组的实验物品。

第十条 确保易燃、易爆、易制毒、强腐蚀等危化品与其他物质分开存放。剧毒药品、贵重药品和材料，由专人保管。严禁未经报备，在实验室私自携带、储存危险化学品。

第十一条 使用试剂前，应仔细阅读标签和安全说明，并确保在通风良好的实验台上进行操作。如有需要，查询化学品安全数据表(MSDS)。

第十二条 强刺激性、强挥发性、有毒、有腐蚀性的气体实验必须要在通风橱内进行。严禁将任何灼热物品直接放在实验台上。严禁随意混合化学试剂。

第十三条 生物安全柜、超净工作台需严格遵循无菌操作。实验前后务必进行紫外消杀。

第十四条 禁止将细菌、病毒、真菌培养物放入细胞培养箱。

第十五条 禁止擅自碰触他人的实验和实验物品。禁止将正在进行的实验处于无任何人员看护的情况下。

第十六条 禁止将任何化学品、实验设备带离实验室。

第十七条 书包、背包、外套等禁止放在有化学品的实验区域。严禁将食品或饮料放置在实验室内，以防误食或污染实验环境。实验室不得存放任何与实验无关的物资、个人贵重物品和现金。

第十八条 所有实验废弃物必须按照规定妥善处理，将实验废弃物倒入相应的废物/废液桶中。禁止将实验室废物/废液直接倒入水槽。

第十九条 在离开实验室之前，请将所有实验仪器关闭并归位，将器具清洗干净，保持实验台整洁有序。每天最后离开实验室的人员，离开前有义务认真地进行全面检查，关门关窗，严防事故发生。

第二十条 涉及电气设备的实验中请务必注意用电安全。实验室不得乱拉电线，仪器设备的电线、插头和接线板必须符合用电要求，若有损坏，立即向实验室负责人报告。

第二十一条 牢记消防器材（消火栓、灭火器等）、急救箱、紧急淋洗器、洗眼装置等安全设施，且掌握正确的使用方法。牢记安全通道的位置，熟悉逃生路线。

第二十二条 科研老师需指导课题组学生的理论知识与实验技能，评估学生在实验过程中的安全性。本科生必须由科研教师或研究生在场的情况下才可进行实验。落实好必须2人同时在场的情况下才可以开展科研活动。

第二十三条 当发现实验室出现任何人员受伤、试剂打翻、起火或者爆炸情况，必须立即告知实验室负责人。不管严重程度大小，所有受伤和意外情况都必须报告。如果发生紧急情况，必须立即寻求校园安保人员的援助，或拨打报警电话。

第二十四条 对于违反安全守则的行为，实验室管理员有权采取相应的处罚措施，包括警告、停止实验权利、甚至停止实验室使用权利。

第二十五条 对于造成严重后果或故意违规行为的个人，将依据学校相关规定进行严肃处理，视情节轻重给与行政处分或经济索赔，直至追究其刑事责任。

第二十六条 本守则由温州肯恩大学理工学院负责解释，自公布之日起实施。

紧急情况报警电话 110

紧急火情报警电话 119

保卫处 24 小时电话

0577-55870110

医务室 24 小时电话

0577-55870120

（适用于非紧急火情和普通医疗救助，以及非危险品泄漏或其他非紧急安全事件）

危险品泄漏处置

当发生危险品泄漏时，或不明物发生泄漏时，请立即撤离至安全地带，并拨打以下电话：

学校行政值班电话 0577-55870033 （24 小时）

提供所有必要的信息，同时服从调度员的指示。若已知泄漏物的危险成分，同时在具备必要保护措施的情况下，准许自行清理处置泄漏物。若无法确定泄漏物成分，禁止擅自采取任何处置措施，并及时报警，等待专业人员进行处置。

Research Laboratory Safety Rules of Wenzhou-Kean University's

College of Science, Mathematics and Technology

Article 1 Purpose: the laboratory safety regulations are formulated to ensure the safe operation of the research laboratories of College of Science, Mathematics and Technology (CMST), prevent accidents, standardize the management and use of laboratories, and protect the safety and health of teachers and students. The regulations apply to all persons who use the research laboratories of CMST, including but not limited to students, faculties, research staffs and laboratory technicians.

Article 2 Range: the regulations apply to all natural science research laboratories of CMST, including but not limited to research laboratories, core facilities rooms, decontamination rooms and other research-related area. Laboratory users must strictly abide by the various safety management requirements stipulated in the safety regulations.

Article 3 The research laboratory is not open to the public. Only the laboratory coordinator, principal investigator (PI), authorized students, research personnel, and technicians are allowed access. Visitors must report to the Lab Center, undergo inspection and registration by the laboratory administrator or designated personnel. Unauthorized individuals are strictly prohibited from entering the laboratory.

Article 4 Proper attire is required before entering the laboratory and wear shoes which completely cover your feet. Shorts, short skirts, high heels, sandals or any open-toed footwear are NOT permitted. Long hair should be tied back and jewelry should not be worn in the laboratory.

Article 5 When experiments involve the use of chemicals, microorganisms, etc., gloves and lab coats must be worn until the end of experiment. Gloves SHOULD

NOT be worn when touching common objects (such as doorknobs, computer peripherals, elevator buttons, etc.).

Article 6 MUST adhere to all laboratory regulations and protect public property. Eating, drinking, or smoking are NOT allowed in the lab. Horseplay in the lab is strictly forbidden.

Article 7 Before using laboratory equipment, individuals MUST undergo professional training to understand the operation and maintenance of the equipment. Unauthorized or untrained personnel are strictly prohibited from operating equipment.

Article 8 Before performing any experiment, examine all apparatus for defects. DO NOT use damaged equipment or defective glassware. Immediately report to lab coordinator if any equipment that does not function properly.

Article 9 All chemicals, reagents, and consumables must be properly labeled and stored on designated cabinets or shelves. It is prohibited to take experimental items from other research groups without authorization.

Article 10 Ensure that flammable, explosive, toxic, corrosive, and other hazardous chemicals are stored separately from other substances. Highly toxic and valuable chemicals and materials should be managed by designated personnel. It is strictly prohibited to bring or store dangerous chemicals in the laboratory without prior approval.

Article 11 Prior to using reagents, carefully read the labels and understand the toxicity, physical, and chemical properties of the reagents. If necessary, check the Material Safety Data Sheet (MSDS).

Article 12 Experiments involving highly irritating, volatile, toxic, or corrosive gases must be conducted in fume hoods. Placing hot items directly on laboratory

benches is not allowed. Mixing of random chemical reagents is also strictly prohibited.

Article 13 Clean hoods and biosafety cabinets must strictly adhere to aseptic procedures. UV disinfection is mandatory before and after experiments.

Article 14 It is strictly prohibited to place bacterial, viral, or fungal cultures inside cell culture incubators.

Article 15 DO NOT touch others' experiments or experimental materials without permission. NEVER leave an ongoing experiment unattended.

Article 16 Taking out any chemicals or laboratory equipment from the laboratory is strictly prohibited.

Article 17 Bags, backpacks, coats, etc., are prohibited from being placed in areas of the laboratory where chemicals are present. Personal valuables, materials unrelated to experiments should not be stored in the laboratory.

Article 18 All experimental waste must be properly disposed of according to regulations. Laboratory waste/liquids must not be poured directly into sinks.

Article 19 Before leaving the laboratory, please ensure all experimental equipment is turned off and returned to its proper place, materials are cleaned, and the laboratory bench is kept tidy and orderly. Individuals leaving the laboratory at the end of each day are obligated to conduct a thorough inspection, close all doors and windows, and take precautions to prevent accidents.

Article 20 Please exercise caution when handling electrical devices. DO NOT connect wires indiscriminately in the laboratory. Equipment wires, plugs, and terminal blocks must meet the requirements for electricity safety. If you suspect any damage, immediately report it to your instructor or lab technician.

Article 21 KNOW the location of fire-fighting equipment (fire hydrants, fire extinguishers, etc.), the first aid box, emergency showers, eye washer and understand their correct usage. KNOW the location of safety exits and always remember evacuation routes. All aisles must be kept open at all times.

Article 22 PI must guide research students on theoretical knowledge and experimental skills, and assess the safety of students during the experimental process. Undergraduates are only allowed to conduct experiments in the presence of a research instructor or graduate student. Research activities must be carried out under the condition that at least two people are present at all times.

Article 23 Notify your instructor, lab coordinator, or lab technician IMMEDIATELY of any injury, spill, fire or explosion. Regardless of severity, all injuries and accidents must be reported. In case of an emergency, IMMEDIATELY contact campus security personnel or call the police.

Article 24 The laboratory coordinator and lab technician have the authority to take appropriate disciplinary measures for violations of safety regulations, including issuing warnings, suspending experimental privileges, or even revoking laboratory access rights.

Article 25 Those who violate the above regulations and cause accidents will be subject to disciplinary action or financial compensation according to the severity of the situation, and may even face criminal liability.

Article 26 The regulation shall be interpreted by the CSMT and shall go into effect as of the date of issue.

Article 27 Emergency contact numbers:

IN CASE OF EMERGENCY CALL 110

IN CASE OF FIRE CALL 119

Security Department, 0577-55870110

Medical Department, 0577- 55870120

(For non-emergency fire, medical, hazardous materials spill or security incidents)

SPILL RESPONSE

When a hazardous material spill occurs, or if it is unknown whether the material is hazardous, go to a secure place and call:

Administrative Duty Phone(24h), 0577-55870033

Provide all information requested and follow the instructions provided by the dispatcher. If the hazards of the material are known and proper protective measures are followed, it is permissible to clean the spill in your work area. If you are unsure in any way DO NOT take any risks.

附件 3

温州肯恩大学理工学院实验动物房生物安全管理办法

第一章 总则

第一条 为加强实验动物安全管理，保证实验动物和动物实验的质量，维护公共卫生安全，适应科学研究和经济社会发展的需要，根据《中华人民共和国生物安全法》《浙江省实验动物管理办法》《关于加强全省实验动物安全管理的意见》等有关规定制定本办法。

第二条 实验动物是生命科学基础研究、食品药品安全以及转化医学临床前实验的重要支撑材料，实验动物安全将影响科学研究数据的准确性和可重复性，直接导致实验结果失去可信性，甚至实验动物会携带人畜共患病菌，不仅影响实验人员健康，一旦扩散还将严重影响公共卫生安全。

第三条 实验动物源性病原微生物的传染源主要有三个方面：一是实验动物自身携带；二是实验人员携带；三是实验动物饲养与实验环境中存在。

第二章 实验动物的采购、验收和检疫

第四条 实验动物的采购需从有实验动物生产许可证的供应商中购买，每一批动物都必须有质量合格证，并由专业车辆运输。

第五条 实验动物管理人员应做好每批动物的数据记录。

第六条 实验人员未经实验动物办公室许可不得私自采购实验动物，禁止从无证个体购买动物进行实验。

第七条 购入的实验动物应有质量合格证明，并在检疫室检疫合格方可移入饲养区；如确认动物带有传染病，则不得接收该批次动物，应告知销售方取回或处理。

第三章 生物安全的个人防护

第八条 实验动物工作人员和实验人员必须每年定期体检保证健康水平，减少职业病危害；患有人畜共患病的人员不得从事动物实验相关工作。

第九条 初次进入实验动物房进行实验的人员应接受培训和考核，掌握生物危害的来源及个人防护措施。

第十条 进入实验动物房的工作人员和实验人员必须穿着特定的工作服，戴口罩、帽子和手套。

第十一条 被动物意外咬伤、抓伤或者被使用过的利器划伤后，应视伤情轻重，进行清创、外敷消炎药或局部包扎，并前往医院诊疗。

第四章 动物设施环境防护

第十二条 动物设施屏障环境应符合国标 GB19425-2023《实验动物环境及设施》的要求，合理布局更衣室、清洁走廊、物品暂存间、饲养室、实验室、污物走廊、缓冲间、人员及污物出口等。

第十三条 人员、动物、物品、空气设置单向流动，房间内的气流组织模式通常采用上送下排的模式，不同等级、品种、品系的动物不混养。

第十四条 带入实验室的物品应该通过低温消毒传递仓消毒或者高压蒸汽灭菌器灭菌后传入，以避免对实验室或实验对象造成污染。

第十五条 若需传入感染性物质，应进行两层包装，对外表面进行充分消毒后传入，在生物安全柜内打开。

第十六条 动物设施应定期进行环境检测，以保证动物设施环境处于良好状态。

第五章 传染病的预防和控制

第十七条 饲养管理人员和实验人员应严格执行制定的各项规章制度，防止外源性病原微生物带入实验动物房。

第十八条 动物实验中发现实验动物患病死亡的，应及时查明原因，必要时进行尸体解剖，并记录在案。

第十九条 对于饲养过程中发现患有人兽共患病和烈性传染病的动物，应启动应急预案，并在兽医的指导下予以销毁或者隔离治疗。对可能被污染的区域采取严格消毒措施，防止疫病蔓延。

第二十条 对于非传染病死亡或实验后处死的动物尸体，应用尸体袋包装，放到动物尸体冰柜内，定期由具有资质的专业单位进行无害化处理。

第二十一条 对于确认患有人兽共患病和烈性传染病的动物尸体和垫料，应参照应急预案处理。

第六章 感染性动物实验的管理

第二十二条 根据《病原微生物实验室生物安全管理条例》，第一类、第二类病原微生物统称为高致病性病原微生物。

第二十三条 感染性动物实验必须在相应等级或更高级的动物生物安全实验室进行，涉及第三、四类病原微生物的

的感染性动物实验(甲型流行性感病毒 H2N2 亚型等 ABSL-3 菌种除外), 应在具有 ABSL-2 防护等级的实验室进行。

第二十四条 具体病原微生物分类请参考《人间传染的病原微生物名录》和《动物病原微生物分类名录》。

第二十五条 感染性动物实验致病菌菌种应由使用者进行台账管理, 记录菌株的使用情况, 并采取一定的防盗措施防止菌株遗失。

第二十六条 动物实验必须提交温州肯恩大学实验动物伦理委员会审查申请, 经温州肯恩大学实验动物伦理委员会评估, 批准后方可进行。

第二十七条 温州肯恩大学实验动物伦理委员会在批复感染性动物实验后, 应不定期对实验进行巡查工作, 保证菌株的安全、合理使用。

第二十八条 温州肯恩大学实验动物伦理委员会在巡查中发现违规操作或台账错误, 有权要求肇事课题组停止实验, 整改后重新提交伦理审查申请。

第二十九条 对于未经温州肯恩大学实验动物伦理委员会审批, 私自使用致病菌感染实验动物的课题组, 按照《中华人民共和国生物安全法》《病原微生物实验室生物安全管理条例》追究责任。

第三十条 实验人员在感染性动物实验前，应经过专业培训。

第三十一条 温州肯恩大学实验动物伦理委员会应不定期巡查动物设施内动物情况，发现违背动物伦理现象，应及时要求停止实验，整顿符合规范后方可继续。

第七章 危险品试剂管理

第三十二条 动物设施可能接触危险品为神经类麻醉试剂、易制爆试剂和易制毒试剂。

第三十三条 危险品试剂由专人采购、保管、分发和监督使用，并有记录。

第三十四条 挥发性的危险品试剂应在通风柜内进行操作，在实验台上使用非挥发性的危险品试剂应做好自身防护和环境保护，并有明显的警示标记，防止试剂的泄漏和扩散。

第八章 废弃物的处理

第三十五条 严格进行废弃物的分类管理，动物实验用过的注射器、输液管、手套、口罩等一次性医疗用品应放入专用垃圾箱内，严禁混入动物尸体处理。

第三十六条 动物尸体应装袋后放入指定冰柜中，废弃垫料及饲料应集中收集，由专业机构处理。

第三十七条 废弃的有毒有害液体应放入专用的废液桶内由专人负责运送到指定地方处理。

第三十八条 废弃的有毒有害试剂瓶应放入专用的收集箱内，分类处理。

第九章 其他

第三十九条 本办法自印发之日起实施，由理工学院负责解释。

Biosafety Management Measures for Laboratory Animal Facilities at Wenzhou-Kean University's College of Science, Mathematics and Technology

Chapter I. General Rules

Article 1 In order to strengthen the safety management of laboratory animals, ensure the quality of laboratory animals and animal experiments, protect public health, and meet the needs of scientific research and socio-economic development, these measures have been formulated in accordance with the *Biosecurity Law of the People's Republic of China*, the *Zhejiang Province Laboratory Animal Management Measures*, and the *Opinions on Strengthening the Safety Management of Laboratory Animals across the Province*, as well as other relevant regulations

Article 2 Laboratory animals are essential support materials for basic research in life sciences, food and drug safety, and preclinical experiments in translational medicine. The safety of laboratory animals impacts the accuracy and reproducibility of scientific research data, and directly affects the credibility of experimental results. Furthermore, laboratory animals may carry zoonotic pathogens, which can not only endanger the health of laboratory personnel but, if spread, could also pose a serious threat to public health .

Article 3 There are three main sources of infection of pathogenic microorganisms of laboratory animal origin: one is carried by the laboratory animals themselves; the second is carried by laboratory personnel; and the third is present in the laboratory animal breeding and experimental environment.

Chapter II. Procurement, acceptance and quarantine of laboratory animals

Article 4 The procurement of laboratory animals must be from suppliers with a valid

laboratory animal production license. Each batch of animals must come with a quality certificate and be transported using specialized vehicles.

Article 5 Laboratory animal managers should keep a record of the data for each batch of animals.

Article 6 Experimenters are not allowed to purchase laboratory animals privately without permission from the Laboratory Animal Facility, and are prohibited from purchasing animals from unlicensed individuals for experiments.

Article 7 Purchased laboratory animals shall be quarantined by veterinarians. Only after passing the quarantine can they be moved into the breeding area; if it is confirmed that the animals carry infectious diseases, the batch of animals shall not be accepted and the seller shall be informed to take them back or dispose of them.

Chapter III. Personal Protection for Biosafety

Article 8 Laboratory animal staff and experimenters must undergo regular annual medical checkups to ensure health levels and reduce occupational disease hazards; those suffering from zoonotic diseases are not allowed to engage in work related to animal experiments.

Article 9 Personnel entering the Laboratory Animal Facility for the first time to conduct experiments should be trained and assessed on the sources of biohazards and personal protective measures.

Article 10 Staff and laboratory personnel entering the Laboratory Animal Facility must wear specific coveralls, masks, hats, and gloves.

Article 11 After being bitten or scratched accidentally by an animal or cut by a used sharp instrument, you should, depending on the severity of the injury, clean up the

wound, apply anti-inflammatory medication or local bandage and go to the hospital for treatment.

Chapter IV. Environmental protection of animal facilities

Article 12 The barrier environment of animal facilities should comply with the requirements of the national standard GB19425-2023 Laboratory Animal — *Requirements of Environment and Facilities*, with a rational layout that includes changing rooms, clean corridors, storage rooms, animal housing rooms, laboratories, waste corridors, buffer rooms, and separate exits for personnel and waste

Article 13 Personnel, animals, goods, air set up a one-way flow, the airflow organization pattern in the room usually adopts the pattern of upward-feeding and downward-exhausting, and animals of different grades, breeds and strains are not mixed.

Article 14 Items brought into the laboratory should be sterilized by a low-temperature disinfection transfer bin or sterilized by an autoclave before being passed in, in order to avoid contamination of the laboratory or experimental subjects.

Article 15 If infectious substances are to be passed in, they should be packaged in two layers, fully sterilized on the external surface and then passed in, and opened in a biological safety cabinet.

Article 16 Animal facilities shall be subject to periodic environmental testing to ensure that the animal facility environment is in good condition.

Chapter V. Prevention and control of infectious diseases

Article 17 Breeding managers and laboratory personnel shall strictly implement the rules and regulations to prevent exogenous pathogenic microorganisms from being brought into the laboratory animal facility.

Article 18 The death of laboratory animals found to be diseased in animal experiments shall be promptly ascertained, and necropsies shall be performed and recorded when necessary.

Article 19 For animals found to be suffering from zoonoses and virulent infectious diseases in the course of rearing, the emergency plan shall be activated, and they shall be destroyed or isolated for treatment under the guidance of veterinarians. Strict disinfection measures shall be taken for areas that may be contaminated to prevent the spread of epidemics.

Article 20 For the death of non-infectious diseases or experiments after the execution of animal carcasses, should be packaged in carcass bags, put into the animal carcass freezer, regularly by qualified professional units for harmless treatment.

Article 21 For animal carcasses and bedding confirmed to be suffering from human-animal and virulent infectious diseases, reference should be made to the emergency plan for treatment.

Chapter VI. Management of experiments on infected animals

Article 22 In accordance with the Regulations on the Management of Biosafety in Pathogenic Microorganism Laboratories, Class I and Class II pathogenic emblematic organisms are collectively referred to as highly pathogenic pathogenic microorganisms.

Article 23 Infectious animal experiments must be carried out in animal biosafety laboratories of the appropriate level or higher, and infectious animal experiments involving pathogenic microorganisms of the third and fourth categories (except for ABSL-3 strains of influenza A virus subtype H2N2 and other ABSL-3 strains) shall be carried out in laboratories with an ABSL-2 level of protection.

Article 24 For specific classifications of pathogenic microorganisms, please refer to the *Catalog of Pathogenic Microorganisms Transmissible to Humans* and the *Catalog of Animal Pathogenic Microorganisms*

Article 25 The strains of pathogenic bacteria for infectious animal experiments shall be managed by the users in accounts to record the use of the strains and take certain anti-theft measures to prevent the strains from being lost.

Article 26 Animal experiments must submit an application for review to the Wenzhou-Kean University Animal Ethics Committee. Experiments can only proceed after being evaluated and approved by the committee

Article 27 The Wenzhou-Kean University Animal Ethics Committee, after approving infectious animal experiments, should conduct periodic inspections to ensure the safe and proper use of the strains.

Article 28 The Wenzhou-Kean University Animal Ethics Committee, upon discovering violations or errors in records during inspections, has the authority to require the responsible research group to halt the experiment and resubmit an ethics review application after rectification

Article 29 Research groups that conduct pathogenic microorganism infection experiments on animals without approval from the Wenzhou-Kean University Animal Ethics Committee will be held accountable in accordance with the *Biosafety Law of the People's Republic of China* and the *Regulations on Biosafety Management of Pathogenic Microorganism Laboratories*.

Article 30 Personnel conducting infectious animal experiments must undergo professional training beforehand

Article 31 The Wenzhou-Kean University Animal Ethics Committee should periodically inspect the conditions of animals within the facilities. If any violations of animal ethics are identified, the committee must promptly require the experiment to be halted and ensure compliance through rectification before allowing it to resume

Chapter VII. Hazardous Materials Reagent Management

Article 32 The animal facilities may be exposed to dangerous goods as nerve class anesthetic reagents, explosive reagents and poisonous reagents.

Article 33 The dangerous goods reagents shall be purchased, stored, distributed and supervised for use by specialized personnel with records.

Article 34 The volatile dangerous goods reagents shall be operated in the fume cabinet The use of non-volatile dangerous goods reagents on the experimental bench shall be well protected by self-protection and environmental protection with obvious warning markings to prevent the leakage and spread of reagents.

Chapter VIII. Disposal of waste

Article 35 The classification and management of waste shall be strictly carried out. Disposable medical supplies such as syringes, infusion tubes, gloves, masks, etc. used in animal experiments shall be put into special garbage cans, and it is strictly prohibited to mix them with animal carcasses for disposal.

Article 36 The animal carcasses shall be bagged and put into designated freezers, and the waste bedding and feed shall be collected centrally and handled by professional organizations.

Article 37 The waste toxic and hazardous liquids shall be put into special waste liquid barrels and be transported to designated places for disposal by specialized personnel.

Article 38 The discarded toxic and harmful reagent bottles shall be put into the special collection box and categorized for disposal.

Chapter IX. Other

Article 39 These regulations shall be implemented from the date of issuance and shall be interpreted by the CSMT.