

# **Administrative Rules on Entry and Exit Animal Quarantine Stations (Revision)**

## **Chapter 1 General rules**

**Article 1** These rules are formulated to improve the administration of entry and exit animal quarantine stations of China, safeguard entry and exit animals during quarantine, prevent epidemic animal diseases and protect the safety of animal husbandry production and human health in China, in accordance with "Law of the People's Republic of China on the Entry and Exit Animal and Plant Quarantine" and its regulations for implementation, etc.

**Article 2** These rules are applicable to approval, use, supervision and administration of entry and exit animal quarantine stations. Entry and exit animal quarantine stations include:

- (1) Large and medium sized animal quarantine stations, for quarantine of artificially reared cattle, sheep, hogs, horses, donkeys and other large and medium sized animals.
- (2) Small animal quarantine stations, for quarantine of artificially reared poultry, rabbits, dogs and other small animals.
- (3) Wild animal quarantine stations, for quarantine of wild animals.
- (4) Performing and competition animal quarantine stations, for quarantine of performer and competition animals.
- (5) Aquatic animal quarantine stations, for quarantine of aquatic animals.
- (6) Laboratory animal quarantine stations, for quarantine of laboratory animals.

**Article 3** The State General Administration of Quality Supervision, Inspection and Quarantine (hereinafter referred to as AQSIQ) shall be responsible for nationwide administration of entry and exit animal quarantine stations and acceptance, approval and supervision of large and medium sized animal quarantine stations in the country. The local entry and exit inspection and quarantine authorities directly under AQSIQ (hereinafter referred to as local inspection and quarantine authorities) shall be responsible for the examination, recommendation report and routine supervision of large and medium

sized animal quarantine stations in localities; and shall be responsible for examination, approval and routine supervision of other animal quarantine stations.

**Article 4** The operating management units and user units of entry and exit animal quarantine stations shall be responsible for maintenance, use and routine management of the animal quarantine stations in accordance with these rules.

## **Chapter 2 Permission of the quarantine stations**

**Article 5** To apply for the use of quarantine station, the consignor or his agent shall fill the Application Form of Using Entry and Exit Animal Quarantine Stations of the People's Republic of China (Appendix 1) before signing of contract or agreement, and file an application and submit an application report to the concerned local inspection and quarantine authority.

In case the owner and user of the quarantine station are not the same entity, the use agreement signed with the user and quarantine station owner shall be provided, stating the respective responsibilities and obligations as stipulated in the management rules of the quarantine station.

**Article 6** The facilities of entry animal quarantine stations shall conform to the following requirements:

(1) For large and medium sized animals, refer to "the Requirements of Construction of Entry Cattle and Sheep Quarantine Stations" (Appendix 2).

(2) For small animal quarantine stations, "the Requirements of Construction of Entry Small Animal Quarantine Stations" (Appendix 3) shall be satisfied.

(3) For wild animal quarantine stations, "the Requirements of Construction of Entry Wild Animal Quarantine Stations" (Appendix 4) shall be satisfied.

(4) For performing and competition animal quarantine stations, "the Requirements of Construction of Entry Performing and competition Animal Quarantine Stations" (Appendix 5) shall be satisfied.

(5) For aquatic animal (including amphibians and reptiles) quarantine stations, "the Requirements of Construction of Entry Aquatic Animal Quarantine Stations" (Appendix

6) shall be satisfied.

(6) Laboratory animal quarantine stations shall conform to GB14925-2001 (Appendix 7) or be accepted by concerned authorities with quality certificates.

**Article 7** Exit animal (including those to be delivered to Hong Kong and Macao) quarantine facilities shall conform to the existing regulations, or as specified in Article 6 if no applicable regulations are available. If there are special requirements for the quarantine facilities by the importing country or region, the corresponding conditions shall be met.

**Article 8** The quarantine stations applied for use must be provided with complete management systems, including epidemic prevention and sterilizing system, entry and exit record system, feeding management system and epidemic reporting system, etc.

**Article 9** The local inspection and quarantine authorities in the locality of the quarantine stations applied for use shall be provided with technical professionals and a testing technical force for animal quarantine.

**Article 10** After accepting the application, the entry and exit inspection and quarantine authorities shall examine the application information, organize field investigations, make overall evaluation and produce examination reports, in accordance with the requirements for quarantine stations in Articles 6, 7, 8 and 9 of these Rules, and administrative licensing regulations.

**Article 11** For large and medium sized animal quarantine stations, preliminary examination reports shall be submitted by local Entry-Exit Inspection and Quarantine Bureau to AQSIQ for approval; Other animal quarantine stations shall be approved by local Entry-Exit Inspection and Quarantine Bureau.

**Article 12** The permission of a quarantine station shall be effective for one installation. New applications shall be processed for further uses.

The quarantine stations approved for use, except particular cases such as those for entertainment or competition animals, shall be used only for the import and export of the same kind of animals in the same group.

For quarantine stations entry large and medium sized animal of the interval between two

applications shall be at least 30 days. The interval for other animal quarantine stations shall be at least sufficient to guarantee the time for effective thorough sterilization.

**Article 13** In case of animal epidemic disasters occurring in quarantine stations having been approved for use, the inspection and quarantine authorities may decide to suspend the use; for quarantine stations violating the administration rules, the inspection and quarantine authorities may cancel the permission for such quarantine stations.

**Article 14** To use national quarantine stations for importing large and medium sized animals, the user shall file an application directly to the animals and plants quarantine administrative authorities of the AQSIQ; the animals and plants quarantine administrative authorities shall make arrangements for the use and give due notice to the national quarantine station and the applicant.

## **Chapter 4 Use and Supervision Management**

**Article 15** The user or owner of quarantine stations shall make preparations before use, as follows:

(1) Carry out cleaning and intensive disinfection of the quarantine station adopting the method acceptable to inspection and quarantine authorities.

(2) Sufficient fodder grass and feeds shall be prepared for the quarantine period. Fodder grass and feeds shall come from non-epidemic areas and be treated through fumigation by a qualified unit under the supervision of inspection and quarantine authorities. Any fresh and live animal origin feeds and inspection and quarantine authorities prior to use must approve bait.

(3) Facilities for water supply, power supply, sterilization and isolation shall be checked for normal supply and operation.

(4) Feeders and managerial staff of the quarantine stations shall pass a health examination involving active pulmonary T.B., brucellosis, viral hepatitis and other zoonose, and obtain qualified health certificates issued by medical authorities.

(5) Feeders and managerial staff of the quarantine stations shall be trained in the related regulations, quarantine station management systems, animal feeding and epidemic

prevention during quarantine and other professional knowledge, and be tested for qualification before working on in the facility.

(6) Large and medium sized animal quarantine stations shall be closed five days before delivery of the animals. All staff members shall be in the station and feed/forage grass delivered to the appointed storage area in the quarantine stations before closing.

**Article 16** During quarantine, the user and owner of a quarantine station must comply with the following management requirements:

(1) Maintain the facilities in good condition, and make regular cleaning and sterilization activities to keep animals and the internal environment clean.

(2) Install adequate fire prevention, anti-theft, poison, and rat, mosquito and fly prevention measures.

(3) Carefully feed and attend animals according to a regular feeding time. No animals other than the quarantine animals shall be allowed in the quarantine station.

(4) No person, vehicle or materials shall be allowed to access the quarantine station without permission by the inspection and quarantine authorities. Those quarantine personnel shall carry out approved, effective sterilization under supervision.

(5) No animal or animal products of the same kind as or related to the quarantine animals (including bacon, sausage, ham, viscera, egg, bone, skin, hair and so on) shall be allowed to enter the quarantine station. Without consent of inspection and quarantine staff, no biological products shall be allowed to enter the quarantine station.

(6) Without consent of inspection and quarantine staff, no blood, tissue, semen, secretion or other sample or specimen of the quarantine animals (including dead ones due to disease) shall be collected or kept; No newborn animals, egg and milk shall be allowed to be brought out of the quarantine station; No diseased or dead animals shall be slaughtered, dissected or disposed without approval; No vaccine, medicine or treatment shall be applied to quarantine animals without approval.

(7) Replenishment of feed, forage grass and other necessities during quarantine period shall be made with prior consent and under supervision by inspection and quarantine authorities, after sterilization treatment.

(8) In case of suspect diseased or dead animals found, report shall be made immediately to inspection and quarantine authorities and the following measures shall be taken immediately:

1. Move the suspect diseased animals to isolation shed (room) and take care of them by special persons.
2. All places and articles contacted by the suspect diseased and dead animals shall be sterilized.
3. Harmless disposal shall be carried out to the dead animals under supervision by inspection and quarantine authorities.

(9) Gate guard for 24 hours shall be carried out and any abnormal conditions shall be promptly reported to inspection and quarantine authorities.

(10) All entry and exit persons/articles, feeding and management, epidemic prevention sterilization, animals health status, treatment and disposal, dead and newborn animals shall be recorded fully and accurately.

(11) Without consent of inspection and quarantine authorities, no individual or unit shall be allowed to disclose information on animal quarantine results or health conditions to outside parties.

**Article 17** During animal quarantine period, inspection and quarantine authorities may regularly or spontaneously make supervision to the animal quarantine and management situations, and collect specimens for quarantine examination as required. For entry large and medium sized animals, inspection and quarantine authorities shall send veterinarian professionals to the quarantine station for 24-hour field supervision.

**Article 18** In case of severe animal epidemic situation during quarantine period, the stipulations in "Emergency Procedures for Severe Entry and Exit Animal Epidemic Situations" shall be executed.

**Article 19** After finish of animal quarantine, the user or owner of quarantine station shall carry out cleaning and disposal for the quarantine station under supervision of inspection and quarantine authorities.

(1) Unqualified animals in quarantine shall be disposed of according to inspection and quarantine regulations.

(2) The quarantine station shall be cleaned, and animal excrement, packing materials, contaminant, sewage and refuse shall be disposed with harmless treatment to conform to epidemic prevention and environmental requirements.

(3) The space, utilities, facilities and remaining feed and forage grass in the quarantine station shall be thoroughly sterilized by using specified chemicals, methods and procedures.

(4) The registrations and records in the quarantine period shall be submitted to inspection and quarantine authorities for archiving.

**Article 20** After completion of animal quarantine, the entry and exit inspection and quarantine authorities shall report the quarantine situation to superior authorities. Severe quarantine events of entry and exit animals shall be reported to AQSIQ.

## **Chapter 5 Bylaws**

**Article 21** Anyone violating these rules shall be punished by inspection and quarantine authorities in accordance with related laws and regulations.

**Article 22** These rules shall be interpreted by the AQSIQ.

**Article 23** These rules shall be promulgated on YY\_\_MM\_\_DD and executed starting on YY\_\_MM\_\_DD\_\_\_\_\_.

Appendix 1:

**The People's Republic of China**  
**Application Form for Establishment and Use of Entry (Exit)**  
**Animal Quarantine Station**

**1 Applicant**

<b>Name:</b>			<b>I declare hereby the facts filled in the form are true and conforming to relevant regulations on animal quarantine.</b>  <b>Legal person signature and seal:</b>  <b>Application date:</b>
<b>Address:</b>			
<b>Postcode:</b>	<b>Legal person code</b>	<b>Contact</b>	
<b>Tel:</b>	<b>Fax:</b>		

**2 Quarantine station**

<b>Name:</b>		<b>Legal person:</b>
<b>Address:</b>		<b>Capacity:</b>
<b>Contact:</b>	<b>Tel:</b>	<b>Fax:</b>
<b>About the previous animal quarantine in the quarantine station</b>		
<b>Animal:</b>	<b>Export country or region:</b>	<b>Quantity:</b>
<b>Quarantine starting and finishing dates:</b>	<b>User:</b>	

**3 Quarantine animals**

<b>Name (type):</b>		<b>Variety</b>	<b>Quantity</b>	
<b>Origin:</b>	<b>Export country or region:</b>	<b>Entry and exit date:</b>	<b>Port of entry and exit:</b>	
<b>Destination:</b>	<b>Purpose:</b>	<b>Transit route and mode :</b>		

**4 Examination and approval reports (filled by examination and approval authority)**

<b>Preliminary examination authority reports</b>	<b>Reports of preliminary examination authority</b>
<b>Signature and seal (Administration)</b>	<b>Action by: Examined by: Signed and issued by:</b>
<b>Date:</b>	<b>Date:</b>

Printed by State General Administration of Quality Supervision, Inspection and Quarantine,  
The People's Republic of China



Appendix 2:

## **Requirements for construction of temporary quarantine stations for entry cattle and sheep**

( SN/T1491-2004)

### **1 Scope**

The standard specifies requirements for construction of temporary quarantine stations for entry cattle and sheep.

The standard is applicable to the construction of temporary quarantine stations for entry cattle and sheep.

### **2 Normative reference documents**

The following standards contain provisions, which, through reference in this text, constitute provisions of this standard. Any modification lists (except text corrections) or revisions of the reference documents with specific date shall not apply to this standard. But, all parties of the agreement based on this standard are encouraged to discuss if the newer versions of those documents are applicable. All the latest editions of the referenced documents without date indication are applicable to this standard.

GB 16548 Rules of harmless disposal of diseased livestock and poultry carcasses and products.

### **3 Site selections**

#### 3.1 Environmental requirements

3.1.1 Temporary quarantine stations shall be established at Class 1 national open ports, adjacent to the port or international airport, less than 50km away from entry port and convenient in communications. The port shall be equipped for animal handling facilities.

3.1.2 within a range of 10km around the temporary quarantine stations, there shall be no infection of cattle and sheep epidemic diseases specified in List A of OIE.

3.1.3 a temporary quarantine station shall be more than 10km away from wildlife reserve areas.

3.1.4 Within a range of 3km around a temporary quarantine station, there shall be no animal farm, slaughter house, tannery, veterinary hospital, veterinary research institute, artificial insemination station, embryonic implantation station, farm product trade market, school, hospital, residential area and trunk road, etc.

3.1.5 the ambient environment conditions of temporary quarantine stations shall conform

to animal hygienic requirements.

3.1.6 the transport route from the port to the quarantine station shall not go through any cattle and sheep epidemic disease area.

3.1.7 Water and power supply shall be available in the temporary quarantine station, with water quality conforming to national drinking water standard.

### 3.2 Laboratory (capability) requirements

3.2.1 Laboratories undertaking entry inspection shall obtain the qualification approved by China National Accreditation Committee of Laboratories.

3.2.2 Laboratories undertaking entry inspection shall be equipped with laboratory conditions, personnel, technology, instruments and equipment satisfying the need of inspection work.

3.2.3 when necessary, the State General Administration of Quality Supervision, Inspection and Quarantine shall send an expert panel for examination of laboratories, which are undertaking entry inspection.

## **4 Requirements of facilities**

### 4.1 Boundary walls and passages

4.1.1 Partitions: The temporary quarantine station shall have a reasonable layout in the partition of living/office area and quarantine area. The quarantine area shall cover quarantine feeding area, diseased animal quarantine area, fecal sewage disposal area and forage storage area, etc. Boundary walls and sterilization passages shall be provided between the temporary quarantine station and ambient environment, and between different areas in the station.

#### 4.1.2 Boundary walls

4.1.2.1 External boundary walls: Solid boundary walls of not lower than 2m must be provided around the temporary quarantine station for effective isolation from the ambient environment.

4.1.2.2 Internal boundary walls: Solid boundary walls of not lower than 1.65m shall be provided to separate different areas in the temporary quarantine station.

#### 4.1.3 Passages

4.1.3.1 Passages for persons, animals and vehicles to access the quarantine station shall be provided, respectively. Sterilization facilities must be provided at the entry passageway of quarantine station.

4.1.3.2 Sterilization pools shall be provided at the passages of temporary quarantine

station for access of animals and vehicles. The sterilization pool shall be in the same width as the gate, not less than 4m long and not less than 0.2m deep. Hand washing and sterilization facilities, sterilization pool or sterilization pad shall be provided at the passage for access by persons.

#### 4.1.4 Shower room and changing room

The passage for personnel access shall be provided with shower room and changing room, with special clothing, shoes and caps. Shower room shall satisfy the requirements of cleaning for persons. Cooling/heating equipment shall be provided in shower room and changing room.

4.1.5 Gate guardrooms shall be provided at personnel access passages of the temporary quarantine station.

#### 4.1.6 Toilets

Toilets for men and women shall be provided in living/office area and quarantine area.

#### 4.2 Warning signs

Legible warning signs of "Keep away from animal quarantine station" shall be provided at access passages of the temporary quarantine station.

#### 4.3 Quarantine area

4.3.1 Firm and safe animal loading platforms shall be provided and hardened ground shall be provided in the loading space to satisfy the need of animal loading and unloading. Necessary sterilization facilities shall be provided for vehicle cleaning and sterilization.

#### 4.3.2 Quarantine feeding area

4.3.2.1 Feeding areas in animal feeding sheds shall be not less than 5.0 m<sup>2</sup> for each cow and not less than 2 m<sup>2</sup> each sheep. The floor shall be antiskid without water log. Floors and walls shall be easy for cleaning and sterilization.

4.3.2.2 Quarantine feeding shed shall be provided with necessary feeding facilities, with passages for forage (clean passage) and animal excrement (dirty passage). Clean passage and dirty passage shall be separated.

4.3.2.3 in the quarantine-feeding shed, animals shall be kept in pens of 100 head each. A certain gradient shall be provided on the floor, with sewage discharge gutters.

4.3.3.4 Quarantine feeding shed shall be relatively enclosed.

4.3.3.5 Water supply and sewage facilities shall be installed in quarantine feeding sheds.

4.3.3.6 Necessary ventilation and lighting equipment shall be provided in quarantine feeding sheds.

4.3.3.7 Protection facilities against birds and rats shall be provided.

4.3.3.8 Restraint facilities shall be provided in quarantine area for animal sampling for quarantine work.

4.3.4 diseased animal quarantine area

4.3.4.1 a diseased animal isolation room capable to accommodate 5% of all animals shall be built in the quarantine area. The diseased animal isolation room shall be fully enclosed with antiskid, anti-seep floor for easy cleaning and sterilization. Diagnosis, treatment and restraint facilities shall be provided.

4.3.4.2 an animal carcass dissecting room shall be built in diseased animal quarantine area provided with necessary dissection facilities.

4.3.5 fecal sewage treatment area

4.3.5.1 Sewage treatment

Sewage treatment facilities matching the capacity of animals shall be built to ensure the sewage emission conforms to epidemic prevention and environmental requirements.

4.3.5.2 Manure pit

Manure pit matching the capacity of animals shall be built for fermentation treatment of animal manure.

4.3.6 Forage storage area

Forage storage area shall be provided with storage facilities for forage grass and concentrated feed, in the capacity matching the quantity of quarantine animals. Rat proofing and fire-prevention facilities shall be provided and convenient for fumigating treatment.

4.3.7 Disposal of dead animals and positive animals

Dead animals and positive animals shall be disposed according to GB 16548.

4.3.8 Feeder rest room and veterinarian consulting room

Feeder rest room and veterinarian consulting room matching the size of the station shall be provided in the quarantine feeding area and equipped with basic diagnosis and treatment facilities.

4.4 Living area

4.4.1 Offices

Computer, telephone, television, facsimile machine and other office equipment shall be provided in the general office and veterinarian office.

#### 4.4.2 Dining hall

Dining halls matching the number of staff in the station shall be built in the living area, with separate operation room, storehouse and dining hall. The dining hall for persons in the living area shall be effectively separated from that for persons working in quarantine area, to avoid cross infection.

#### 4.4.3 Dormitory

Dormitory for veterinarian and blood sampling persons sent by inspection and quarantine authorities shall be provided in the living area. In the dormitory, washing, heating, air conditioning, computer, telephone, television and other necessities for living shall be provided.

#### 4.4.5 Refuse treatment in living area

Domestic refuse shall be collected during entry animals quarantine period, and sterilized before trucking away after releasing of the quarantine animals.

### **5 Other supporting facilities of quarantine stations**

#### 5.1 Heating and cooling equipment

#### 5.2 Fire-fighting equipment.

#### 5.3 Mobile sterilizers

#### 5.4 Necessary vehicles.

### **6 Rules and regulations**

The following rules and regulations shall be established in temporary quarantine stations:

- Complete epidemic prevention and sterilization system.
- Access registration management system for persons, vehicles and articles.
- Physical examination and epidemic prevention knowledge training for staff members in quarantine stations.
- Animal feeding management system
- Quarantine station routine supervision and control system.
- Fire prevention, anti-theft and other security system and measures.
- Sampling submission of samples management rules.

## Appendix 3

### **Requirements for entry small animal quarantine stations**

1. Entry small animal quarantine station refers to the place set up for quarantine of artificially raised breeder bird, rabbit, fox, dog and other small animals for entry.
2. Quarantine station shall be isolated from veterinary hospital, resident living area and corresponding small animal farm.
3. Quarantine station shall be surrounded with solid boundary walls or effective natural isolation barriers to separate it from ambient environment. Warning signs shall be provided in the passageways.
4. Water and power supply shall be available in the quarantine station, with water quality conforming to national drinking water standard.
5. Quarantine station shall be divided into living/office area and quarantine area. In the quarantine areas, there shall be quarantine feeding area, diseased animal quarantine area, fecal sewage disposal area, feed or forage area, veterinarian room and treatment room, etc., and these areas shall be relatively independent.
6. Passages connecting the quarantine station and ambient environment, and between different areas shall be provided with sterilization pools (pads).
7. The passage for personnel access shall be provided with shower room or changing room, providing special clothing, shoes and caps.
8. Quarantine feeding sheds shall be relatively enclosed, and provided with necessary feeding facilities to satisfy the needs for the living and welfare of animals.
9. Devices for storage and transport of specimens and dead animals shall be provided, together with facilities for harmless disposal of dead animals and wastes.
10. Working and living conditions and places for inspection and quarantine staff shall be provided in the quarantine station.

## Appendix 4

### **Requirements for entry wild animal quarantine stations**

1. Quarantine station shall be isolated from veterinary hospital, resident living area and corresponding animal farm and wildlife protection area.
2. Quarantine station shall be surrounded with solid boundary walls or effective natural isolation barriers to separate it from ambient environment and prevent animals from escaping. Warning signs shall be provided in the passageways.
3. Water and power supply shall be available in the quarantine station, with water quality conforming to national drinking water standard.
4. Quarantine station shall be divided into living/office area and quarantine area. In quarantine area, there shall be quarantine feeding area, diseased animal quarantine area, fecal sewage disposal area, feed or forage area, veterinarian room and treatment room, etc., and these areas shall be relatively independent from each other.
5. Passages connecting the quarantine station and ambient environment, and between different areas shall be provided with sterilization pools (pads).
6. The passage for personnel access shall be provided with shower room or changing room, providing special clothing, shoes and caps.
7. Quarantine feeding sheds shall be relatively enclosed, and provided with necessary feeding facilities to satisfy the needs for the living and welfare of animals.
8. Special facilities for animal capturing and restraining shall be provided.
9. Devices for store and transport of specimens and dead animals shall be provided, together with facilities for harmless disposal of dead animals and wastes.
10. Working and living conditions and places for inspection and quarantine staff shall be provided in the quarantine station.

## Appendix 5

### **Requirements for construction of entry performing and competition animal quarantine stations**

1. Quarantine station shall be isolated from veterinary hospital, resident living area and animal farm.
2. Quarantine station shall be surrounded with solid boundary walls or effective isolation barriers to separate it from ambient environment, prevent animals from escaping and keep unrelated persons and animals away. Warning signs shall be provided in the passageways.
3. Water and power supply shall be available in the quarantine station, with water quality conforming to national drinking water standard.
4. In the quarantine station, there shall be living area, quarantine area, performance or contest area, which shall be relatively separated from each other.
5. Passages connecting the quarantine station and ambient environment, and between different areas shall be provided with sterilization pools (pads).
6. The passage for personnel access shall be provided with shower room or changing room, providing special clothing, shoes and caps.
7. Necessary feeding facilities shall be provided to satisfy the needs of living and welfare of animals.
8. Devices for store and transport of specimens and dead animals shall be provided, together with facilities for harmless disposal of dead animals and wastes.
9. Facilities for animal capturing shall be provided.
10. Working and living conditions and places for inspection and quarantine staff shall be provided in the quarantine station.



## Appendix 6

### **Requirements for construction of entry aquatic animal quarantine stations**

1. Quarantine station shall be surrounded with boundary walls or effective isolation barriers to separate it from the ambient environment. Legible warning signs shall be provided.
2. In the neighborhood and along the water supply and drainage pipeline, there shall be no other aquatic farm or aquatic product processing plant.
3. There shall be good water supply system, with a pollution-free water source. Water used for breeding shall conform to Chinese fishing zone water quality standard GB11607-89, through a filtering treatment.
4. There shall be reliable power supply system, effective aeration devices, breeding environment and conditions matching the varieties and quantity of applied entry and exit animals. Adjustable water temperature control devices shall be provided when necessary.
5. The quarantine area shall be strictly separated from living area. Sterilization pools shall be provided at the entrances of quarantine station and quarantine pools.
6. Facilities preventing quarantine animals from escaping shall be provided.
7. There shall be a separate drainage system, a wastewater basin of sufficient capacity and facilities for harmless treatment of wastewater.
8. Devices for store and transport of specimens and dead animals shall be provided.
9. Working and living conditions and places for inspection and quarantine staff shall be provided in the quarantine station.

## Appendix 7

# Laboratory animal environment and facilities

GB 14925-2001

### 1 Scope

The standard specifies the technical requirements and test methods of laboratory animal breeding, production and experiment environmental conditions and facilities, together with the requirements for packing materials, drinking water and cages.

The standard is applicable to the environmental conditions of all experimental animal breeding, production and experiment places, and their facilities design, construction, works acceptance and normal supervision and management.

### 2 Normative references

The following standards contain provisions, which, through reference in this text, constitute provisions of this standard. At the time when the standard is published, all the versions of these standards are effective. All the standards are subject to modifications and the users of this standard shall see to the possibility of using the latest versions of the following standards.

GB 3095-1996 Ambient air quality standard

GB 3096-1993 Urban area environment noise standard

GB 4792-1984 Basic standard for radiological health protection

GB 5794-1985 Sanitary standard for drinking water

GB 8978-1996 Comprehensive standard for sewage discharge

GB 50243-1997 Acceptance specifications for ventilation and air conditioning engineering construction

GB 50259-1996 Construction and acceptance specifications for electrical installation and electric-lighting installation

GBJ 73-1984 Design specifications for clean workshop buildings

GBJ 68-1984 Unified standard for architectural structure

JGJ-71-1990 Construction and acceptance specifications for clean rooms

### 3. Definitions

The standard adopts the following definitions.

#### 3.1 Laboratory animals

Animals artificially reared, with controlled microorganisms and known genetic background or origin, used for scientific research, teaching, production, testing and other scientific experiments.

### 3.2 Breeding and production facilities for laboratory animals

Refers to the collection of buildings, equipment and business management for breeding and production of experimental animals.

### 3.3 Animal experiment facilities

Refers to the collection of buildings, equipment and business management for rearing and testing of laboratory animals for purposes of research, test, teaching and production of biological products and medicines.

## **4 Environment and facilities**

### 4.1 Site selection

4.1.1 the site for laboratory animals breeding, production and experiment shall be far away from natural epidemic focus.

4.1.2 it shall be in a place with good environmental air quality and natural environment conditions.

4.1.3 it shall keep away from railway, dock, airport, traffic main artery and factory, storage silo or storage yard emitting dust or harmful gases and other areas with serious air pollution, vibration or noise interference. If the above conditions are inevitable, the site shall be in a downwind place in the local summer minimum frequency wind direction.

4.1.4 Laboratory animals breeding, production and experiment facilities shall maintain a distance greater than 50m from any living area.

### 4.2 Sanitation requirements for buildings

4.2.1 All materials for enclosing construction of animal breeding, production and experiment site shall be free of poisonous substances or radioactivity.

4.2.2 Internal walls shall be smooth in surface with circular arc corners for easy cleaning and sterilization. Wall surface shall be made with firm, corrosion resistant, non-glistening and shockproof materials. The floor shall be anti-slip, wear resistant without leakage. Ceiling shall be water resistant and corrosion resistant.

### 4.3 Requirements of building facilities

4.3.1 Doors and windows shall be good in air tightness.

4.3.2 the width of corridor shall not be less than 1.5m, and the width of doors not less than 1.0m.

4.3.3 Ventilation and air-conditioning system for animals breeding, production and laboratory shall maintain positive pressure operation, reasonable in arrangement of airflow and air supply/exhaust ports, to avoid dead corner, flow cutting or short-circuit.

4.3.4 all environmental control equipment shall be maintained regularly.

4.3.5 Power load level of animal breeding, production, and laboratory facilities shall be designed in accordance with technical requirements. Emergency power supply shall be provided.

4.3.6 Indoors power distribution equipment shall be the type free from dust deposit and shall be in concealed installation. Electric conduits shall be concealed. Electric conduits running from non-clean areas to clean areas shall be reliably sealed.

## **5 Environmental conditions classification and technical index requirements**

5.1.1 Ordinary environment: The environment facilities conform to the basic requirements for animals living and have no complete control of infection factors, applicable to ordinary experimental animals for teaching, etc.

5.1.2 Barrier environment: The environment facilities are applicable to rearing clean laboratory animals and SPF (specific pathogen free) experimental animals, with strictly controlled access of persons, articles and environmental air.

5.1.3 Isolation environment: Germ free isolation devices are used for the environment to maintain germ free and free from external pollutant. All air, feed, water, packing material and equipment in the isolation device are germ free. The dynamic transfer of animals and materials is done through a special transfer system that can keep absolute environment quarantine and consistent internal environment in animal transport. The environment facilities are applicable to rearing specific pathogen free (SPF), gnotobiotic and germ free laboratory animals.

### 5.2 Requirements of technical indexes

5.2.1 Indexes of experimental animals breeding and production facilities environment shall conform to Table 1.

5.2.2 Indexes of animal experiment facilities environment shall conform to Table 2.

## 6 Process requirements for facilities area arrangement

### **6.1 Area layout**

6.1.1 Front area arrangement: Including office, maintenance room, storehouse, feed room, and generic corridor.

6.1.2 Rearing area arrangement

6.1.2.1 Breeding and production area: Including quarantine room, buffer room, breeding room, expanded group feeding room, production group feeding room, outgoing room, clean article storeroom, clean corridor, dirty corridor.

6.1.2.2 Animal experiment area: including buffer room, experiment-rearing room, clean article storeroom, clean corridor, and dirty corridor.

6.1.2.3 Auxiliary area: including storehouse, washing room, waste store and disposal room (equipment), enclosed experimental animal carcass cold store (equipment), mechanical equipment room, shower bath and rest room for staff members.

## 6.2 Other facilities and equipment

6.2.1 in barrier environment and quarantine environment, buffer devices shall be provided at the intersection of pressure change.

6.2.2 Facilities of animal experiment area shall be separated from those for feeding and breeding system.

6.2.3 for radiological experiments refer to GB4792.

6.2.4 all animal experiments using drastic infective, carcinogenic or poisonous substances shall be operated in negatively pressurized quarantine facilities or strictly protected equipment. Such facilities (equipment) shall be provided with special transfer system to guarantee the absolute quarantine to external environment in dynamic transmission process. The exhaust gases and refuse shall be subject to harm-free treatment on the principle of protecting human beings, animals and environment.

## 6.3 Facilities and equipment

6.3.1 the equipment in experiment environment shall comply the requirements of environment facility indicators (Table 1 and 2).

6.3.2 the positive pressure and negative pressure equipment for different experiments shall meet the indicators of environment facilities with corresponding certificates.

## **7 Disposal of wastes and animal carcass**

7.1 Wastes shall be disposed through harm-free treatment as per GB8978.

7.2 Animal carcass shall be immediately incinerated, with the emission meeting the requirements for hospital wastes incineration.

## **8 Cages, packing materials and drinking water**

### 8.1 Cages

8.1.1 Cages shall be made with non-poisonous, corrosion resistant, high temperature resistant, easy to clean and sterilized long life materials.

8.1.2 the minimum area for different animals shall satisfy the requirements of Table 3. The inner and outer corners of the cages shall be smooth without sharp edges.

**Table 3 Minimum space for different animals**

Item	Mouse (g)		Rat (g)		Guinea pig (g)		Gopher (g)		Rabbit (g)			
	<20	>20	<150	>150	<350	>350	<100	>100	<2.5	>2.5		
Single, m <sup>2</sup>	0.0065	0.01	0.015	0.025	0.03	0.065	0.01	0.012	0.20	0.46		
Group (mother + litter), m <sup>2</sup>	0.016		0.08		0.09		0.09		0.93			
Minimum height, M	0.13	0.15	0.18	0.18	0.18	0.22	0.18	0.18	0.40	0.45		
Item	Cat (kg)		Dog (kg)			Monkey (kg)			Miniature pig (kg)		Chicken (kg)	
	<2.5	>2.5	<10	10-20	>20	<1	1-6	>6	<20	>20	<2	>2
Single, m <sup>2</sup>	0.28	0.37	0.60	1.0	1.5	0.5	0.6	0.75	0.96	1.2	0.12	0.15
Group (mother + litter), m <sup>2</sup>	---		---			---			---		---	
Minimum height, M	0.76 (perch)		0.8	0.9	1.5	0.6	0.7	0.8	0.6	0.8	0.4	0.6

## 8.2 Padding materials

8.2.1 Padding materials shall be good in moisture absorption, little dust, and no abnormal smell, non-toxic and free from grease.

8.2.2 Padding materials shall be sterilized before use.

## 8.3 Drinking water

8.3.1 Drinking water for ordinary experimental animals shall conform to GB 5749.

8.3.2 Drinking water for experimental animals fed in barrier and quarantine environment shall be sterilized.

## 9 Animals transport

9.1 Transport of shall conform to the safety and microorganism control requirements. Animals of variety, strain and grade shall not be mixed in transport.

9.2 Special purpose vehicles shall be provided for animal transport, with special persons for regular sterilization and cleaning. The vehicles shall be air-conditioned.

9.3 Cages for transport shall be sterilized before re-use.

## 10 Test methods

For test method, refer to annex A - Annex I of the standard. (Omitted)