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Majority will tolerate a range of 22 to 28°C. Rainbowfish 21 to 28°C Freshwater sharks (not related to true sharks) 22 to 26°C Dwarf Cichlids Mid range of 23 to 28°C American Cichlids (for example, Angelfish, Oscar, Parrot Cichlid, Severum, Firemouth Cichlid, Convict Cichlid and Jack Dempsey) 22 to 28°C African Malawi Cichlids 23 to 28°C Freshwater stingrays, Knife-fish and Elephant noses 20 to 26°C Piranhas, Snakeheads and Wolf fish 22 to 27°C Catfish (for example, Corydoras, Suckermouth catfish) 21 to 28°C Tropical algae eaters (for example, Plecs (Plecostomus)) 20 to 28°C Killifish 20 to 26°C Loches (family Cobitidae) 20 to 26°C Large fish (for example, Giraffe catfish, Pacu, Giant Gourami) 22 to 28°C Monos, Scats, Archers and Puffers (brackish water) 22 to 30°C Marine Clownfish, Damsels, Chromis and Basslets 23 to 28°C Blennies, Gobies, Jawfish, Dwarf Wrasse and Dartfish 23 to 28°C Butterflyfish, Tangs 23 to 28°C Dwarf angelfish 23 to 28°C Angelfish 23 to 28°C Seahorses and Pipefish 23 to 28°C Morays, Groupers and Triggerfish 23 to 26°C Poisonous and venomous fish (for example, lionfish, scorpionfish, boxfish, frogfish, rabbitfish and pufferfish) 23 to 26°C Water quality for fish Ammonia and nitrite are toxic to fish and their accumulation must be avoided. See the water quality standards that must be followed. Water quality must be checked weekly and records kept of results for ammonia, nitrite and nitrate. Water testing must take place in stocked tanks. Centralised systems must be tested weekly. 10% of individually filtered tanks or vats must be tested weekly. Testing may be via electronic means for relevant parameters. If a visual inspection of aquaria or vats indicates unusual behaviour or deaths, any necessary remedial action must be undertaken and recorded. Fish must not be subject to sudden fluctuation in chemical composition of their water, other than for the controlled treatment of disease or as part of a controlled breeding programme. In case of doubt, expert advice must be sought. Light for fish Fish must be maintained on an appropriate photoperiod (day and night cycle) as far as possible. For fish kept in outdoor ponds, vats and stock tanks shade from direct sunlight must be provided (for example, by the provision of plants or other shade). Water quality standards Water quality parameter Measurement standard, milligrams per litre (mg/l) Cold water species Free ammonia max 0.02mg/l Nitrite max 0.2mg/l Dissolved oxygen min 6mg/l Nitrate max 50mg/l/above ambient tap water Tropical freshwater species Free ammonia max 0.02mg/l Nitrite max 0.2mg/l Dissolved oxygen min 6mg/l Nitrate max 50mg/l/above ambient tap water Tropical marine species Free ammonia max 0.01mg/l Nitrite max 0.125mg/l Nitrate max 100mg/l pH min 6.1 Dissolved oxygen min 4mg/l Cleaning fish All aquaria, vats and ponds must be kept free of accumulations of suspended waste products or uneaten feed. Excess accumulation may affect water quality and therefore damage fish health. Waste material must be removed as necessary. Cleaning regimes must be sensitive to species-specific needs, as certain fish species may benefit from controlled algal build-up to facilitate grazing behaviour. Care must be taken to minimise stress during cleaning. Accessibility to staff Racked systems must be accessible by use of a stepladder or other such means. Feed for fish Food must be added directly to the tank or pond. Required higher standards for providing a suitable environment for fish Water quality must be assessed 3 times weekly and records kept of test results. In instances when water quality parameters are not met, the remedial action taken to restore acceptable parameters should be recorded. There must be evidence that UV systems are maintained regularly. Optional higher standard for providing a suitable environment for fish A suitable temperature range for the fish must be displayed on each standalone system and on each centralised system. For premises with no natural light, there must be automated systems or procedures (or both) to ensure gradual change in light levels. 6.0 Suitable diet for fish Fish must be fed a diet suitable for that species at an appropriate feeding rate and frequency and so as to avoid competition. For example, feeding across the whole surface of the aquaria or pond and extending feeding times. Licence holders selling to the general public must have an understanding of the nutritional requirements of the categories of fish they sell and must advise the owner of these requirements. Feeding fish Given the numbers of fish that might be held in any one facility, it is not feasible to monitor and record changes in eating habits of individual fish. The feeding behaviour of groups of fish must be recorded if such behaviour changes significantly and appropriate advice obtained from a competent specialist when appropriate. 7.0 Monitoring of behaviour and training of fish Any items that get in the way of the safe and easy capture of fish must not be used or must be removed from tanks prior to capture. 8.0 Fish handling and interactions Handling must be kept to a minimum at all times. 9.0 Protecting fish from pain, suffering, injury and disease Staff must take precautions to prevent cross-contamination between aquaria or vats. Equipment (for example, nets) must normally be cleaned and disinfected between uses or dedicated to a specific tank. Aquaria and vats must be checked daily and cleaned as often as is necessary (as determined by water quality) to maintain good hygiene standards, consistent with the rate of stock turnover and consequent stocking densities. For fish, in-line UV treatment or other sterilising devices effectively provide a means of isolating individual tanks in multiple tank systems and are a suitable alternative to self-contained isolation facilities. They must be of an appropriate size and maintained in accordance with manufacturers' recommendations. Newly introduced stocks must be given an appropriate acclimatisation period, as deemed necessary, as far as possible separate from existing stocks. New stocks must be closely monitored and any disease problem which arises must be treated promptly. Fish waste, including cadavers, may be incinerated or disposed of through general waste in sealed double-bagged plastic bags. Fish showing signs of illness or disease may be kept with other animals provided that all the fish in the same tank (or in connected systems without a sterilisation filter) are given appropriate treatment. In cases of doubt about appropriate treatments, expert advice must be sought from a vet, competent person or fish specialist. Anyone responsible for euthanising fish must follow recommended practices, written procedures and have been suitably trained. In the case of fish, it is sufficient to check daily and maintain records limited to observed signs of ill health and disease. Where problems are identified, remedial action must be taken. In cold weather, ice may form on outdoor displays such as ponds. In such cases, it is important that a hole in the ice is made by floating a plastic ball which can be removed if the water freezes (for example). Required higher standard for protecting fish from pain, suffering, injury and disease The business must have in place reasonable measures to prevent the import, outbreak and spread of disease. This must be demonstrated by implementation of a biosecurity plan. Businesses consolidating imports of fish: guidance for inspectors 'Consolidators' refers to businesses which import live ornamental fish for the sole purpose of supplying imports directly to wholesalers and retailers. Routinely opening boxes compromises the welfare of the fish. Aquaculture Production Businesses (APB's) that are authorised under regulation 5(1) of the Aquatic Animal Health (England and Wales) Regulations 2009, and that are inspected by the Fish Health Inspectorate, are exempt from the requirement to have a licence. In the case of APBs, if local authorities consider they need specialist advice they should consult the Fish Health Inspectorate who are experienced in the inspection of these businesses. Conditions for businesses consolidating imports of fish This section outlines the conditions that can be checked on inspection and the additional conditions that must be applied to such businesses. When inspecting business, you should check the general conditions: 1.0 (licence display) 2.1 (type of animals to be specified) 3.3 (written training policy) - at least one designated member of staff to be on site with an understanding of current import regulations 4.10 (animals not left unattended) - fish boxes must be handed over into the care of a person competent to provide necessary care from that point. They must not be dropped off and left unattended You should also check the follow pet sales conditions: 2.1 (register of animals) - purchase records maintained (see retailer) 2.5 (advertisements) - as retailer Fish must be transported in accordance with International Air Transport Association (IATA) and current transport regulations. The licence holder must be able to demonstrate that they have undertaken appropriate due diligence in this regard. In particular that: Fish will be packed and transported according to IATA standards. Distributors will meet legal obligations under current welfare in transit regulations. Anyone transporting fish has the appropriate animal transport authorisation. They keep records of all imported and transported fish that enables traceability to source. This condition can be met by retaining invoices and receipts. Additional record keeping is not required. They allow access by the relevant authority to these records. Have a contingency plan in place that is available to inspecting authorities and includes: Provision for the care of fish in the event of an accident Provision for the care of fish in the event of failure to deliver (for example, delayed delivery) Emergency contact telephone numbers Required higher standards for buying and selling fish Businesses must have: documented procedures that control and manage the buying and selling of fish internal controls in place to detect irregular transactions a well-maintained accounting system with a full audit trail







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