AQUARIUM FISH CARE GUIDE

Swordtail

Xiphophorus hellerii

A practical U.S. owner guide for planning a healthy, stable aquarium



ADULT SIZE	LIFESPAN
4–6 in (10–15 cm)	3–5 years with appropriate care
TANK PLANNING CUE	**TEMPERATURE RANGE**
20+ gal (76+ L), long aquarium with swimming room	72–82°F (22–28°C)

Tank and temperature numbers are cautious starting cues. Confirm the exact species, adult size, group needs, and water conditions before purchase.

15-page owner guide | Care, setup, compatibility, health, and long-term planning

1. Is this fish a good match?

Start with the adult animal and the aquarium you can maintain. Swordtail is best considered in light of its full-size needs, behavior, and the time you can give routine care.

Species-specific fit

Strong jumper; use a lid. Plan for frequent fry if sexes are mixed.

A realistic readiness check

Can the aquarium be fully cycled and stable before the fish arrives? Is the planned system large and long enough for adult swimming and any required group? Can you test water, maintain equipment, and keep up with routine water changes?

When to pause

Do not buy impulsively because a juvenile looks small or a store has an attractive sale. If the mature tank, compatible group, or local ownership rules are uncertain, pause and verify the species requirements before buying.

> **Choose the fish only after the aquarium plan is ready.**

2. Plan for adult size and lifespan

Many fish sold as juveniles grow into long-term companions. The guide's planning cues for Swordtail are starting points, not a guarantee that one fixed tank suits every setup.

Space and footprint

Adult size: 4–6 in (10–15 cm). Plan usable swimming length, turning room, floor area, and height according to how this species moves and where it spends time. Keep the whole group in mind, not just one fish.

Long commitment

Expected lifespan in the source guide: 3–5 years with appropriate care. Equipment, maintenance, and a backup caretaker plan should match that commitment. A fish may outlive a temporary housing or work situation.

Aquarium size and shape

Starting volume from the source guide: 20+ gal (76+ L), long aquarium with swimming room For active swimmers and schooling fish, prioritize a longer footprint and enough room for the full adult group; for large or territorial fish, plan the adult tank before purchase. More water volume is generally easier to keep stable, but dimensions and stocking still matter. There is no reliable one-inch-per-gallon rule.

Planning cue

Treat the stated volume as a starting point, not permission to crowd the tank. Increase volume for groups, messy feeders, or tankmates; confirm adult dimensions and behavior before stocking.

Never use a bowl or an uncycled tank as a substitute for a species-appropriate aquarium.

3. Build the aquarium before bringing fish home

Set up the home for Swordtail in advance so the first day is calm and the water system is already functioning.

Equipment checklist

Choose a sturdy level stand, aquarium, correctly sized filter, water conditioner, reliable thermometer, test kits, and a secure cover where needed. Add a heater only when the fish's stable temperature range requires one.

Species-aware layout

Use this note to guide layout: Strong jumper; use a lid. Plan for frequent fry if sexes are mixed.. Leave clear routes for swimming and feeding. Make sure decor cannot trap, scrape, or block the fish.

Before stocking

Rinse aquarium equipment with water only, place equipment safely, fill with conditioned water, and run the system through a complete nitrogen cycle. Verify the filter and heater operate as intended before adding any fish.

> **Prepare the full adult-sized setup first; do not rely on upgrading later as the only plan.**

4. Cycle and test the water

A stable biological filter helps process fish waste. Clear water can still contain harmful ammonia or nitrite, so test results matter more than appearance.

What to test

Use reliable tools to track ammonia, nitrite, nitrate, temperature, and pH. Learn the safe operating range for the exact species and the water source. Keep a written log so gradual changes are visible.

Why cycling matters

The nitrogen cycle takes time. Do not add fish to an uncycled aquarium or add many fish at once. If ammonia or nitrite is detected after stocking, check the test, filter, feeding, and stocking load, then reduce feeding, confirm the test result, and perform an appropriate partial water change with conditioned, temperature-matched water while checking the filter and stocking load.

Keep conditions steady

Avoid sudden chemistry or temperature changes. Match new water carefully during maintenance. Never add chemicals simply to chase a number without understanding the cause and the species' needs.

Swordtail does best when water testing and steady maintenance are part of the routine.

5. Temperature, flow, and light

Set the aquarium around the needs of Swordtail, then keep the conditions consistent across ordinary days and maintenance.

Temperature

The short guide lists 72–82°F (22–28°C). Confirm the exact range for the fish's source and any tankmates. Use a reliable thermometer and avoid rapid swings during water changes or transport.

Water movement

Consider this species note: Strong jumper; use a lid. Plan for frequent fry if sexes are mixed.. Arrange the filter outlet so the fish can rest, feed, and swim without being constantly pushed. The right flow depends on the species and tank layout.

Lighting

Use a consistent day/night schedule. Plants and shaded retreats can help create choice and reduce stress for fish that prefer cover. Avoid placing the aquarium in direct sun, which can cause temperature swings and unwanted algae growth.

Do not use temperature alone to decide compatibility; tankmates must share the full water and behavior requirements.

6. Substrate, cover, and safe decor

A thoughtful habitat gives Swordtail room to behave naturally while keeping cleaning and maintenance practical.

Substrate and hardscape

Species-specific note: Strong jumper; use a lid. Plan for frequent fry if sexes are mixed.. Choose smooth, aquarium-safe materials. If the species uses caves, plants, or open swimming space, provide several options while leaving enough room to turn and feed.

Prevent escape and injury

Check gaps around lids, filter intakes, cables, and ornaments. Remove sharp edges, loose parts, and decor that could collapse. Make sure all materials are intended for aquariums and do not leach unsafe substances.

Make observation easy

Arrange the aquarium so you can see the fish's posture, breathing, appetite, and condition without repeatedly disturbing it. Provide hiding places, but leave access for safe cleaning and equipment checks.

Decor should support normal behavior and water quality, not crowd the aquarium.

7. Feed for the species

Choose food for Swordtail's natural feeding style, adult size, and mouth size. The fish-specific recommendation is: Omnivore; quality flakes or pellets plus plant matter. Offer small portions the fish can finish promptly; remove uneaten food and vary the diet appropriately. Overfeeding harms water quality. Use the scientific name to choose a complete food with the correct particle size and nutritional profile.

Portion and observe

Offer a modest amount the fish can finish promptly. Watch whether every fish reaches the food, remove leftovers, and adjust portions to appetite and water quality. Overfeeding adds waste and can destabilize the aquarium.

Variety and storage

Use a complete, species-appropriate staple food and suitable variety where recommended. Check expiration dates, store food dry and sealed, and avoid feeding a single treat as the entire diet.

Track changes

A sudden change in appetite can be an early warning sign. Record what the fish eats and whether feeding behavior changes after a move, water change, or new tankmate.

Use the scientific name when choosing food so products match the species and the size of its mouth.

8. Social needs and daily behavior

Understand what normal behavior looks like for Swordtail; social requirements differ widely between species and individuals.

Group planning

Active livebearer; one male with several females or a single-sex group; watch male aggression. Before mixing species, compare adult size, temperature range, water conditions, swimming zone, feeding competition, and aggression. A fish described as “peaceful” can still be eaten, outcompeted, or stressed by an unsuitable tankmate.

Daily observation

Watch for normal movement, use of the aquarium, feeding, breathing, and interaction. A fish hiding more than usual, being chased, or separated from the group may need closer observation and a compatibility review.

Breeding type, timing, and offspring

Livebearer. Births may recur about monthly under favorable conditions, with brood size varying from a few dozen to many more. Females can store sperm. Separate sexes or plan a reliable rehoming route if fry are not wanted. Do not release unwanted fish into ponds, streams, storm drains, or other waterways.

The goal is to match social housing to this species and the actual aquarium, not to maximize fish count.

9. Choose tankmates carefully

A peaceful label is not enough to establish that a fish can share a tank safely with Swordtail.

Compare all requirements

The source guide notes: Active livebearer; one male with several females or a single-sex group; watch male aggression. Before mixing species, compare adult size, temperature range, water conditions, swimming zone, feeding competition, and aggression. A fish described as “peaceful” can still be eaten, outcompeted, or stressed by an unsuitable tankmate.. Compare adult size, temperature, water chemistry, activity, swimming zone, feeding competition, and behavior before mixing species.

Watch for stress and injury

Repeated chasing, hiding, torn fins, blocked access to food, or a fish being pinned into a corner are signs to reassess the combination. Have a practical separation plan before introducing a new fish.

Additions are a risk

Quarantine and observe new fish before they join an established aquarium. Introduce only after checking the system's capacity and compatibility. Never buy a tankmate solely to solve loneliness without confirming the right group plan.

When compatibility is uncertain, keep the fish in a species-focused system until the requirements are confirmed.

10. Routine care and maintenance

A short, steady routine makes problems easier to catch and helps the aquarium stay stable.

Daily

The source guide recommends: Observe the whole aquarium daily: appetite, breathing, posture, fins, coloration, and social behavior. Check heater and filter operation. Test water regularly, especially after adding fish or equipment changes. Perform partial water changes on a consistent schedule based on measured water quality and stocking; match replacement water temperature and treat tap water. Rinse filter media in removed aquarium water, not untreated tap water, to protect beneficial bacteria. Acclimation & quarantine Prepare a separate, cycled quarantine tank when possible. Acclimate gradually to temperature and chemistry; do not pour store or shipping water into the home aquarium. Keep new fish separate while monitoring appetite, breathing, feces, skin, and fins. Species-specific watch-outs Strong jumper; use a lid. Plan for frequent fry if sexes are mixed. Persistent chasing, torn fins, loss of weight, or gasping. What this fish is not A decoration that can be added without cycling, water testing, social planning, and ongoing maintenance. Check that the filter and temperature are normal, that fish can feed, and that breathing and swimming look usual.

Water-change schedule

A practical starting routine for many cycled freshwater aquariums is a 10-25% partial water change each week. Heavily stocked, messy, or small systems may need more frequent changes; lightly stocked systems may need less. Test water and adjust the schedule to keep ammonia and nitrite at 0 and nitrate controlled. Use conditioned replacement water close to the tank temperature, and avoid replacing all the water at once.

Weekly and ongoing

Test after adding fish, changing equipment, or noticing unusual behavior. Remove uneaten food and debris. Clean filter media gently in removed aquarium water or as the manufacturer directs; do not replace all biological media at once.

Equipment log

Record water readings, maintenance, feeding, new arrivals, and unusual behavior. Clean filter media according to the filter maker's instructions without disrupting beneficial bacteria.

Use measured water results to guide care; do not replace testing with guesswork.

11. Health warning signs

Fish often show trouble through changes in behavior, breathing, posture, feeding, skin, or fins. Check water quality first because poor or unstable water is a common stressor.

Warning signs to notice

Look for repeated gasping, rapid breathing, inability to stay upright, open sores, severe fin damage, sudden swelling, persistent refusal to eat, or a fast-spreading problem. First check water quality, temperature, filter function, stocking, and recent changes.

First checks at home

Test temperature, ammonia, nitrite, nitrate, and pH; compare with the species needs. Check that the filter is running, remove uneaten food, and review recent changes, new fish, or possible contamination. Record readings and changes so patterns are easier to spot.

Avoid rushed fixes

Do not mix chemicals or add several products at once. Some treatments can harm fish, biological filtration, plants, or invertebrates. Correct identifiable water-quality problems carefully and follow product labels exactly.

If the problem continues after water quality and equipment are corrected, seek species-specific help from a reputable aquarium specialist.

12. Select, quarantine, and acclimate

A careful purchase protects the fish and the aquarium it will join. Use the species name Xiphophorus hellerii when confirming identity.

Questions before buying

Confirm the exact species, origin, recent feeding, source-tank conditions, and whether the fish has been observed for signs of stress or illness.

Observe before purchase

Look for steady swimming, intact fins and scales, clear eyes, normal breathing, and interest in food when appropriate. Ask the seller about recent illness or unexplained losses in the system.

Quarantine and transport

Prepare a separate, cycled quarantine setup if possible. Keep transport temperature stable, avoid sudden changes, and use a gradual acclimation plan suited to the species and water difference. Do not pour store or shipping water into the display aquarium.

> **If identification or health history is unclear, wait and verify before buying.**

13. Budget, records, and responsible ownership

The cost of keeping Swordtail includes the aquarium and long-term maintenance, not only the purchase price.

Plan the budget

Budget for the aquarium, stand, filter, heater or chiller if needed, lighting, test kits, conditioner, substrate, shelter, species-appropriate food, electricity, replacement parts, quarantine supplies, and replacement equipment.

Keep records

Save proof of purchase or adoption, species and variety details, care instructions, water readings, care notes, and equipment information. Share these details with a caretaker if you travel.

Follow local rules

Check current state and local restrictions before buying, selling, shipping, or transporting species that may be regulated or invasive. Keep purchase records and any permits required for restricted species. Never release fish, aquarium plants, snails, or tank water into a pond, stream, storm drain, or the wild. Use a legal rehoming route if you can no longer keep a fish.

Arrange lawful rehoming before a crisis; never release aquarium animals or plants outdoors.

14. Owner checklist and further reading

Use this final page to check readiness for Swordtail and keep a short record of the aquarium plan.

Before purchase

Adult-sized, cycled tank ready; filter and temperature verified; exact species confirmed; group and tankmate plan checked; food and quarantine setup prepared; maintenance schedule written down.

After arrival

Record date and source; observe breathing, posture, appetite, and social behavior; log water readings; recheck water and equipment promptly if health or compatibility concerns arise.

Sources and limits

Species-specific planning cues were carried forward from the three-page U.S. guide in this collection. General care references: Aqueon aquarium care guides; established aquarium society resources; state and local wildlife agencies for current regulations. Retail listings are examples of availability, not national sales rankings. Requirements vary by species, variety, source, and setup; verify them before purchase.

A healthy aquarium depends on preparation, stable water, species-appropriate care, and regular observation.