

Zebrafish basic feeding/husbandry information

RAISING FRY TO ADULT HOOD

- 1 **Day 0:** 50–60 fertilised embryos per Petri dish are incubated at 28°C.
- 2 **Day 4:** embryos will start to hatch.
- 3 **Day 6:** the fry are now free-swimming and can be transferred to small tanks with 0.5–1.0 litre of water with no water flow. The **SDS 100** or semi-ground **SDS 100** (with pestle and mortar) can be fed by using a cocktail stick to measure and tap a small amount of food or a seeder onto the water surface 2–4 times a day. With a clear sided tank you can view the feed patches, the fry feeding, and monitor how full the stomachs are. Avoid over feeding and remove excessive surface films with tissue.
- 4 **Day 14+:** the fry should now be feeding on newly hatched brine shrimp and **SDS 200** may now be introduced alongside **SDS 100**. The fry tanks should now be supplied with system water for slow water exchange.

5 **Day 21+:** the fry should now be feeding on brine shrimp and **SDS 200**.

6 **Day 49+:** **SDS 300** can be introduced and fed through to adulthood with the feeding reduced to 2 feeds a day. Brineshrimp may also be fed.

7 The **SDS 400** is recommended for boosting growth or conditioning adults for spawning. The **SDS Small Granular** is a lower protein alternative to the **SDS 400** and is more suited as the everyday diet. Brineshrimp should also be used to encourage feeding and to maximise female productivity.

OTHER INFORMATION

As a guideline feed consumption is 4+% body weight per day.

Zebrafish can reach maturity within 4 months.

Embryo production will begin to decline in stocks aged 18+ months when maintained at 28°C.

Product Information

NUTRIENT COMPOSITION

Diet Name	Size Ø µm	Protein %	Lipid %	Ash %	Fibre %	RM Base	Pack size g	SDS code
SDS Brineshrimp	590 (Hatch size)	54	11	8	/	Shrimp	150	824878
							500	824879
SDS 100	80-200	60	14.5	12	1	Shrimp	150	824856
SDS 200	150-300						500	824862
SDS 300	300-500						500	824867
SDS 400	500-800						500	824872
SDS Small Granular	500-800	52	12	10	2	Fish	500	824876

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SDS Fry Food and Granular diets

FRY FOOD

A full range of quality fry diets that offer a genuine option to the standard retail products for both temperate and tropical fish species.

Diets are initially semi buoyant to simulate live feeds.

Inclusion of Shrimp Meal acts as a powerful feed attractant, even to species that normally require live feeds.

The feed range has defined particle size bands to maximise the quality of feed available to each batch of fry and prevent pollution from uneaten particles that are too large or too small and not fit for purpose.

SDS 100

As an alternative/supplement to Artemia (Brine shrimp).

This is a specialist diet ideal for very young fry designed to increase survival and promote growth. The smallest particle sizes are similar to infusoria and smaller than brine shrimp. The diet is successfully fed to Zebra danios, angels, discus and other small cichlids.

SDS 200

As an alternative/supplement to Artemia (Brine shrimp).

This is a specialist diet ideal for very young fry designed to increase survival and promote growth. The smallest particle

sizes are similar to newly hatched brine shrimp. This diet is working very well for juvenile danios, catfish and cichlids.

SDS 300 and SDS 400

These are ideal for promoting growth up to and into adult hood and for conditioning breeding stock. These high energy diets have particle sizes larger than brineshrimp. They are very popular in boosting growth of larger juveniles and can be fed to large fish instead of brine shrimp to improve breeding condition. These are also popular alternatives to flaked food.

GRANULAR FOOD

The granular food is a great alternative to flake feeds and can be purchased in small, medium and large granular forms. These diets are currently being used by leading retailers and commercial breeders for the trade.

SDS SMALL GRANULAR (500-800 µm Ø)

This can be used as a follow on from the SDS Fry Food. They are appropriate for ongoing juveniles, regular maintenance and condition feeding of adults for breeding.

In comparison to brineshrimp and flake foods these diets offer big savings in the day to day cost of feeding.

Zebrafish – SDS feeding protocol

