

Standard Operating Procedure for Zebrafish Tank Density

Purpose

Tank densities affect the growth of zebrafish. To obtain optimal growth of zebrafish tank densities are maintained that provide the best environmental parameters.

Procedure

1. Tanks sizes available for the various zebrafish systems include: 0.8, 2.0, 2.8, 3.5, 5.0, 6.0, and 8.0 liters.
2. Adults are housed at 5 – 7 fish per liter.
3. Zebrafish fry are housed in 1 liter plastic beakers and 3 liter plastic tanks.
4. Fry density at week 1 is 100 fry per liter.
5. Fry densities are reduced as they age.
6. Fry density at weeks 5 is up to 50 fry per liter.

Age	Tank Size	Maximum number per tank
Adult	0.8 L	5
	2.0 L	14
	2.8 L	19
	3.5 L	24
	5.0 L	35
	6.0 L	42
	8.0 L	56
Fry 1 week old	1.0 L	100
Fry 2 weeks old	1.0 L	75
	3.0 L	225
Fry 3 weeks old	1.0 L	75
	3.0 L	225
Fry 4 weeks old	1.0 L	50
	3.0 L	150
Fry 5 weeks old	1.0 L	50
	3.0 L	150