

October 18th, 2017

What does Genome Engineering Zebrafish offer to the users?

1. Chemicals (low supply levels can be reported to function address)
 - a. Tricaine.
 - b. Methylene blue.
 - c. PTU, PFA and pronase are NOT included in the service. Recipes can be found here:
 - i. PTU:
https://zfin.org/zf_info/zfbook/chapt10.html#wptohtml51
 - ii. PFA: (under fixation and storage of embryos):
https://zfin.org/zf_info/zfbook/chapt9/9.82.html
 - iii. Pronase; https://zfin.org/zf_info/zfbook/chapt4/4.1.html
2. Plastics and other consumables (low supply levels can be reported to function address)
 - a. Tank labeling supplies (tapes, stickers, pens/markers)
 - b. Fish room supplies (shoe covers, petri dishes, plastic transfer pipets, plastic bags for dead fish)
 - c. Injection supplies (glass capillaries, microloader tips)
 - d. Basic manipulation tools (forceps, metal sticks)
3. Lab space
 - a. Lab benches in work station 2 equipped with scale, pipettes, tips, (centrifuge).
 - b. Limited cupboard space (clearly mark responsible person and solutions),
 - c. Limited fridge/freezer space (clearly mark responsible person and identity of samples/reagents),
4. Internet booking tanks (temporary service)
 - a. New tanks AB tanks will in place soon, will not be renewed, service ends at the end of June 2018. If you are frequently using this service, we strongly recommend you to create population of your own wild type strain fish.
 - b. After June, embryos can be produced as part of a paid service (coordinated on a case-by-case basis). After June, ownership of

existing tanks can be transferred to users upon request (first requested, first granted).

- c. During this transition period (November 2017-June 2018), additional, transgenic lines will be available for internet booking, however, we bear no responsibility for breeding performance.

5. Tank husbandry

- a. Tanks, systems and husbandry tools (nets, etc)
- b. Breeding cages and embryo collection tools
- c. Provide regular health checks & feedings
- d. Perform water quality tests and system maintenance
- e. Tank cleaning service available

6. Quarantine

- a. All imports (except for the established international stock centers, like ZIRC) come into quarantine facility and must be coordinated well in advance
- b. Every case is individually considered based on veterinarian recommendations
- c. Access to quarantine under arranged supervision

7. Equipment – all equipment should be booked in advance (with exception of needle puller). All problems should be reported to function address.

- a. Micro injectors (works station 1 and 2)
- b. Needle puller (work station 2)
- c. Two incubators (work station 1 and 2)
- d. Stereomicroscope (work station 2)
- e. Stereomicroscope equipped with P-LFA Fluorescence, GFP and TxsRed, Digital camera, photography and imaging software (work station 1)
- f. In situ robot: In SituPro VSi
- g. Multi-tanks 7&8 (accommodating 24 fish each, which can be booked through google drive for short period of time)
- h. Lightsheet microscopy (Zeiss Lightsheet Z.1) in collaboration with BioVis

- i. All other equipment is considered personal and can only be used with appropriate permission(s). We are not responsible for equipment maintenance or coordination of permission.

8. User introduction & access

a. All new users must complete:

- i. A two-part internet based ethical course (users with valid FELASA certificate need to take only the second part of the course);

<http://www.crb.uu.se/education/phd-courses/medfarm/>

- ii. A practical zebrafish handling course and method focused discussion – for information contact Monika Schmitz

- iii. A practical introduction from the facility for general procedures and rules (typically by João Campos Costa)

- b. Users operating under facility's ethical permit will need additional training before any procedures other than euthanasia may be performed (ie, breeding/early embryo care, fin clips, etc). Contact Beata Filipek-Gorniok.

9. Other

a. Standard CRISPR-Cas9 service

- b. Customised services (ex. Project consultancy, method development, genotyping)

- c. Local services (ex. fish handling, embryo production)

Services price list

Valid from January 2018

Tank rent/month (regardless of the tank size)	175 kr
Booking of a fish system row/month	200 kr
Facility access/month	500 kr
Setting up the fish for delivery of approximately 100 embryos	500 kr
Fish handling per hour	300 kr
Administrative help with fish import/export per hour	300 kr
User training (beyond standard introduction procedures) per hour	300 kr