

# ZEBRAFISH CORE FACILITY PRICE LIST 2023

*The core facility is supported by the Infrastructure Committee of Karolinska Institutet. This funding covers approximately 30 % of the running costs. The remaining costs need to be covered by user fees. All prices include INDI.*

## CORE FACILITY SUBSCRIPTION FEE

The subscription user fee covers our costs for staff, access to instrumentation, access to core facility-owned fish lines and consumables. The subscription runs until terminated by the user, but for a minimum of 3 months.

**The core facility subscription fee is 1540 SEK per month**

## FEE FOR SCIENTIFIC PROJECTS

The zebrafish core facility can run complete research projects including experimental planning, data acquisition and data interpretation. For details see our homepage or contact us.

**Service fee: 740 SEK / hour**

## FEES FOR ZEBRAFISH LINES OWNED BY RESEARCHERS

### FEE FOR TANK SPACE

The tank fee covers basic husbandry of zebrafish lines owned by researchers. The number of tanks occupied is counted once a week and an average number of tanks occupied per month is charged.

**The tank fee is 235 SEK per month**

### FEES FOR REGENERATION OF ZEBRAFISH LINES

Every zebrafish line is included in the compulsory regeneration program. The regeneration protocol is based on the round-robin method to ensure minimal genetic drift. The fee includes mating, sorting, screening, and raising of the new generation. We highly recommend outcrossing every 3<sup>rd</sup> generation to secure performance of the strain.

**Incross regeneration package: 600 SEK/strain**

**Outcross regeneration package: 1000 SEK/strain**

Before using a new line for the first time, as well as for training lines that have not been used in > 8 weeks, we recommend a test-breeding to remove eggs of inferior quality. All fish of a strain will be incrossed, no eggs will be delivered.

**Test breeding: 200 SEK / strain**

## FEES FOR EMBRYOS (< 5 DAYS OLD)

### FEE FOR INCROSS

Embryos are ordered in batches of 100.

<b>Fee for ordering incross:</b>	<b>73 SEK base fee</b>
	<b>240 SEK per 100 embryos</b>

### FEE FOR OUTCROSS (PAIRWISE CROSS)

One strain will be fin-clipped for safe identification (except if clear morphological difference between genotypes). The fee includes all embryos produced per tank.

<b>Fee for ordering outcross:</b>	<b>100 kr/pairwise cross</b>
<b>Fin-clipping:</b>	<b>27 SEK/animal</b>
<b>Single-housing:</b>	<b>10 SEK/animal/day</b>

### ADD-ONS FOR INCROSS AND OUTCROSS

The following add-ons can be ordered together with an incross or an outcross:

<b>Sorting and removing of unfertilized eggs:</b>	<b>90 SEK/100 embryos</b>
<b>Surface disinfection of embryos:</b>	<b>240 SEK/100 embryos</b>
<b>Enzymatic removal of embryo chorion:</b>	<b>240 SEK/100 embryos</b>
<b>Screening of transgenic embryos:</b>	<b>240 SEK/100 embryos</b>

## FEES FOR ANIMALS (> 5 DAYS OLD)

### FEE FOR NON-SPF ANIMALS

<b>Juveniles, 11 days to 10 weeks, non-sexed</b>	<b>9 SEK per animal</b>
<b>Adults older than 10 weeks, sexed</b>	<b>52 SEK per animal</b>

### FEE FOR SPF ANIMALS

Animals are raised in our specific-pathogen-free (SPF) unit and certified-free of *Pseudoloma neurophilia* (the infectious agent for zebrafish microsporidiosis). A health certificate follows every delivery.

<b>Juveniles, 11 days to 10 weeks, non-sexed</b>	<b>30 SEK/animal</b>
<b>Adults older than 10 weeks, sexed</b>	<b>160 SEK/animal</b>

## FEES FOR FIN-CLIPPING AND GENOTYPING

### FEE FOR FIN-CLIPPING

Fin-clipping can be performed by the staff or by the user. Fin-clipped fish are housed in the genotyping rack.

<b>Fin-clipping</b>	<b>27 SEK / animal</b>
<b>Handling and daily inspection of fin-clipped fish:</b>	<b>10 SEK / animal / day</b>

### FEE FOR GENOTYPING

The zebrafish core facility can provide a complete genotyping package in collaboration with the KISeq core facility:

<b>Basal optimization of primers, FLA etc. for new projects:</b>	<b>3500 SEK</b>
<b>DNA isolation, PCR and FLA for 48 fish:</b>	<b>5800 SEK</b>
<b>DNA isolation, PCR and FLA for 96 fish:</b>	<b>6815 SEK</b>
<b>DNA isolation, PCR and agarose gel for 48 fish:</b>	<b>5890 SEK</b>
<b>DNA isolation, PCR and agarose for 96 fish:</b>	<b>7770 SEK</b>
<b>DNA isolation, PCR and Sanger sequencing for 48 fish:</b>	<b>9500 SEK</b>
<b>DNA isolation, PCR and sanger sequencing for 96 fish:</b>	<b>15650 SEK</b>

*NB: prices excluding fin-clipping and daily handling/inspection of the fin-clipped fish.*

## FEES FOR HIGH-THROUGHPUT IMAGING

### FEE FOR HIGH-THROUGHPUT IMAGING

The zebrafish core facility can perform high-throughput imaging of zebrafish embryos in special 96-well plates. Zebrafish can be imaged in both brightfield and fluorescence (DAPI, Cy3, GFP, Texas Red). The imaging fee includes set-up of imaging, max. 4 imaging runs, and delivery of the images.

<b>High-throughput imaging</b>	<b>230 SEK per plate</b>
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### IMAGING PLATES FOR HIGH-THROUGHPUT IMAGING

For keeping zebrafish embryos in position, 96 well imaging plates (IBIDI) with agarose slits for dorsal or ventral mounting are required. The fee covers the plate itself as well as the preparation of the agarose beds.

<b>Fee for 96-well imaging plates with agarose bed</b>	<b>270 kr per plate</b>
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## FEEES FOR CRYOPRESERVATION AND IVF

### FEE FOR CRYOPRESERVATION OF SPERM

For cryopreservation, the testis of 4 males is dissected and up to 10 vials of sperm are frozen in liquid nitrogen. One test-IVF is performed for quality control (included in the fee).

**Service fee for cryopreservation** **1200 SEK / strain**

### FEE FOR IVF

For IVF, AB or TL embryos are fertilized with up to 2 vials of frozen sperm. All fertilized embryos and compulsory surface-disinfection post-IVF is included in the price.

**Service fee for IVF including > 30 fertilized embryos** **800 SEK / strain**

### FEE FOR LONG-TERM STORAGE OF SPERM SAMPLES

Sperm samples are stored in liquid nitrogen.

**Fee for storage of sperm in liquid nitrogen** **100 SEK /strain / year**

## FEEES FOR CONSUMABLES

- <b>Fish food O-range grow</b>	<b>140 SEK/kg</b>
- <b>L-type rotifers</b>	<b>500 SEK/mio</b>
- <b>Fish food Zebrafeed 100 – 200 µm</b>	<b>1040 SEK/kg</b>
- <b>Fish food Zebrafeed 200 – 400 µm</b>	<b>820 SEK/kg</b>
- <b>Fish food Zebrafeed 400 – 600 µm</b>	<b>820 SEK/kg</b>
- <b>E3 solution (50 x stock)</b>	<b>150 SEK/l</b>
- <b>Tricaine solution (4 g/l stock)</b>	<b>250 SEK/l</b>

## SERVICE FEES FOR EXTERNAL USERS (NON-KI USERS)

- <b>Orders from external academic research groups</b>	<b>+ 30 %</b>
- <b>Orders from non-academic customers</b>	<b>+ 100 %</b>