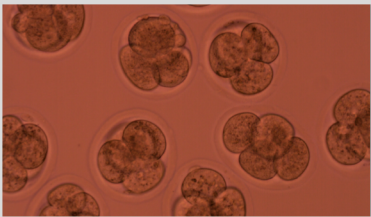


Mouse Cryopreservation Services. Embryo and Sperm Freezing, *In vitro* Fertilization (IVF), Embryo Transfer.

A service provided by the Theodor Kocher Institute
supported by the Medical Faculty and the Genaxen Foundation

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Service	Price	Details	
Cryopreservation of mouse embryos 	SFr. 1700.-	<i>We provide:</i> <ul style="list-style-type: none"> - Freezing of up to 300 embryos (≤4 freezing sessions) - Storage in liquid nitrogen (5 years) 	<i>You provide:</i> <ul style="list-style-type: none"> - 5 to 10 males (8-40 week-old) and 20-40 females (3-4 week-old)
Cryopreservation of mouse sperm (including quality testing by IVF)	SFr. 850.-	<i>We provide:</i> <ul style="list-style-type: none"> - Freezing of mouse sperm - IVF for quality control using one straw - Documentation - Storage of 12 straws in liquid nitrogen (5 years) 	<i>You provide:</i> <ul style="list-style-type: none"> - 2 previously successfully mated males (10-40 week-old)
Cryopreservation of mouse sperm and embryos by IVF (for recovery of offspring with multiple homozygous alleles)	SFr. 1150.-	<i>We provide:</i> <ul style="list-style-type: none"> - Freezing of mouse sperm (13 straws) - Oocyte harvesting - IVF (max. 2 sessions) - Freezing of ~80 embryos 	<i>You provide:</i> <ul style="list-style-type: none"> - 2 previously successfully mated males (10-40 week-old) - 5-10 females (3-4 week-old)
In vitro fertilization (IVF) and embryo transfer (without health testing)	SFr. 1500.-	<i>We provide:</i> <ul style="list-style-type: none"> - IVF - Collect embryos and transfer into at least two SPF recipients - Freezing of remaining embryos 	<i>You provide:</i> <ul style="list-style-type: none"> - Frozen mouse sperm
Rederivation and embryo transfer (without health testing)	SFr. 1260.-	<i>We provide:</i> <ul style="list-style-type: none"> - Harvest of fresh embryos and transfer into at least two SPF recipients - Freezing of remaining embryos 	<i>You provide:</i> <ul style="list-style-type: none"> - At least 3 males (10-40 week-old; previously successfully mated) or frozen embryos
Health Testing (according to FELASA recommendations)	SFr. 720.-	<i>We provide:</i> <ul style="list-style-type: none"> - Packing - Shipping to MicroBios - Test results 	<u>Note:</u> <i>Proof of clean health status is required for transfer to other mouse facilities.</i>

For additional information and project design, please contact:

Dr. Urban Deutsch

Phone: 031 631 4144

urban.deutsch@tki.unibe.ch

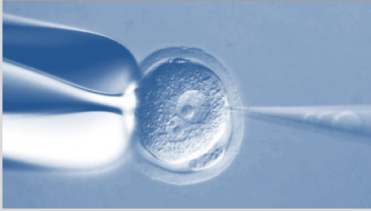
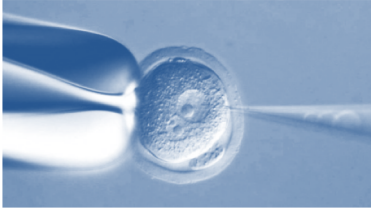


Transgenic Mouse Production and Genetic Engineering using CRISPR/Cas9 Technology



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Service	Price	Details	
C57BL/6J Transgenic Mouse Production 	SFr. 6'000.- to SFr. 7'000.- (for BACs)	<i>We provide:</i> <ul style="list-style-type: none"> - Help with plasmid design and project planning - Microinjection of DNA in C57BL/6J oocytes and transfer in SPF recipients - Biopsies from born mice - Send transgene positive mice (at least 3) 	<i>You provide:</i> <ul style="list-style-type: none"> - Purified plasmid and PCR genotyping protocol - PCR genotyping test
CRISPR/Cas9 mediated genetic engineering in C57BL/6J Mice 	SFr. 6'000.- to 8'000.-	<i>We provide:</i> <ul style="list-style-type: none"> - Help with project planning and guide RNA design - Microinjection of gRNA and Cas9 protein into C57BL/6J zygotes and transfer into SOPF recipients - Biopsies from offspring - At least 2 mice carrying InDel mutations. 	<i>You provide:</i> <ul style="list-style-type: none"> - Surveyor assay and/or other screening method.
Health Testing (according to FELASA recommendations)	SFr. 720.-	<i>We provide:</i> <ul style="list-style-type: none"> - Packing - Shipping to MicroBios - Test results 	<u>Note:</u> <i>Proof of clean health status is required for transfer to other mouse facilities.</i>
For additional information and project design, please contact: Dr. Urban Deutsch Phone: 031 631 4144 urban.deutsch@tki.unibe.ch			