



FACTSHEET PLATFORMS AND SERVICES

SCMB – Swiss Center for Musculoskeletal Biobanking

The Swiss Center for Musculoskeletal Biobanking is located at the Balgrist Campus, a modern research facility in Zurich, Switzerland. It is an open biobank platform that enables researchers, developers and industry, both local and abroad to collect, store and analyze tissues and liquid biosamples with a focus

on musculoskeletal disorders. The SCMB has been participating in various local, national and international clinical studies for several years. Utilizing our long-standing research experience, the SCMB is your partner on your scientific journey, from sample collection to publication.



The SCMB has been certified

Our procedures follow established standards, including the ISO 20387:2018. This certification approach is part of our long-term strategy to provide high-quality samples to the research community.

How we can support your research

- Cost-effective, secure long-term storage of clinical specimens
- Precise sample handling through automated storage and retrieval
- Extensive sample tracking (parent-child) and temperature documentation
- Fast and secure shipment services
- All our processes are strictly in accordance with the applicable Swiss law (HFG)
- We provide advice on setting up a biobank study and provide scientific expertise in the field of bone biology and joint diseases

Infrastructure

Manual, semi-automatic or full-automatic cryo-infrastructure for long-term sample storage of up to half a million samples:

- Automated, temperature-curve guided sample freezing
- Cryopreservation at -20°C, -80°C, or at -170°C in gas phase liquid nitrogen

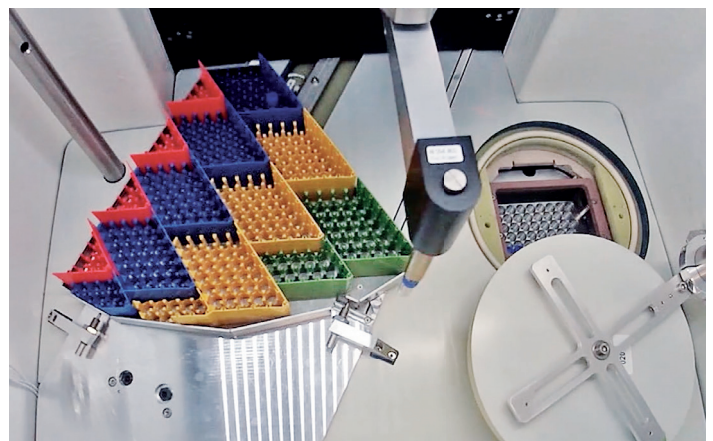
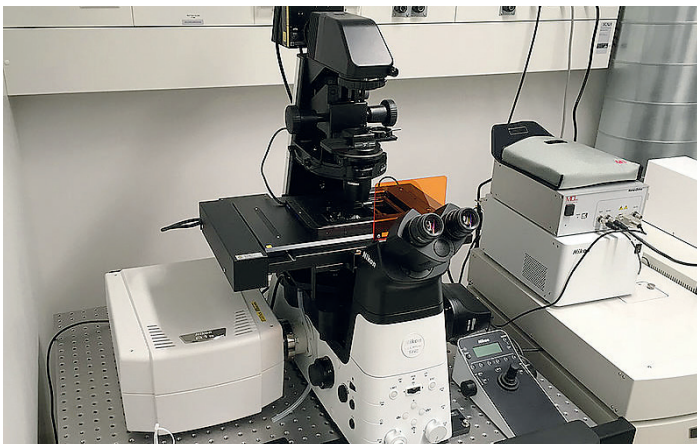
All freezers are fully integrated into a 24/7 emergency backup system to maintain the set temperature

- 2D-barcoded sample tubes (0.5 -10 mL sample volume)

Highly standardized sample preparation pipelines enable downstream biochemical analyses such as:

- High-end confocal or widefield fluorescence microscopy
- Cell sorting using the FACSaria™ Fusion
- Sample cryosectioning
- Cell culture at biosafety level 2

All our equipment can be electronically booked and used at your convenience.



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