

Equipment at CIG - Highlights



ANALYSES

Microscopes

- Nikon Eclipse i90 3D scan, UV/fluo/visible (RN2013)

Live Cell analysis

- Cell counter (RN5038, RN5039)
- FACS, cell count (RN4020)
- Cell imager: Cytation5/BioSpa8 (RN4033)
- Cell metabolism: Seahorse (RN5037)

Gel imaging

- Western multilabel fluorescence, & chemiluminescence imaging : Fusion FX6 (RN5003.1)
- DNA/RNA fragment analyzer: Qiaxcel (RN2013)
- Phosphorescence imaging: Typhoon (RN2022)

Spectrophotometer/fluorimeter/luminometer

(Abs, Fluo/TRF, luminescence (glow / dual))

- TECAN Safire 2 (RN2022)
- Perkin Elmer Envision (RN2022)

Quantitative PCR (qPCR)

- Quantstudio, 96/384-well (RN2022, contact the GTF)

Radioactivity counter

- Dual-beta scintillation counter (RN5015.1)
- Gamma counter (RN5015.1)

Multiplex analyses

- Phosphoproteome: please contact L. Fajas
- Blood chemistry: contact cig_metabolism@unil.ch
- Hormones-cytokines: contact cig_metabolism@unil.ch

Histology

- RN2013; cf SSC web pages

Metabolism

- Mouse: cf SSC web pages



Scientific Services of CIG (SSC)

- **More info** on equipment: cig_equipment@unil.ch
- **Full CIG equipment inventory**: CIG main page/More Info/Scientific Services/Valorization of internal resources
- **Scientific and technical support** : cf SSC web pages (CIG main page/More Info/Scientific Services).



PREPARATIONS

MilliQ water

- Regular MilliQ (RN 2013, 3010.2, 4020, 5040)
- RNase-free MilliQ (BioPak) (RN4020)

Ice machine (RN 3010, 4020, 5040)

Tissue/Cell disruptor

- Precellys, cooled (RN5010, contact L. Michalik)
- Sonicator (RN3045; RN4019; RN5040.2; RN5016)

High-speed centrifuges/Ultracentrifuges

- Hi-Speed centrifuge (RN4020, RN5015.1)
- Ultracentrifuge (RN4020; P2: RN4038)

Speedvac (RN4020, RN5015.1)

Sterilization Autoclave (Washing facility: RN1007)

Lab oven: Memmert (RN 5040.02)

Pipetting robot : Caliper Life Sciences (RN2022)



Terms of use of Common Equipment

- Make sure you know how to operate a common equipment before using it. If in doubt, please refer to **equipment responsables** - who must label equipment with their contact information.
- In case of **equipment failure**, always contact the **equipment responsible**. S/he will troubleshoot and, in case of characterized failure, will contact the Scientific services of CIG (SSC) (cig_equipment@unil.ch). **ONLY upon SSC's approval**, can the equipment responsible **call an external tech service**. **Never directly call** the external tech service! **Repair costs** will be covered by CIG-GEN only if this procedure was properly followed!
- Equipment moves within CIG are coordinated exclusively by the SSC staff. Please **contact** cig_equipment@unil.ch **BEFORE taking any action**.
- Please **reserve/log online high speed/ultracentrifuges**, the **FACS**, and other pieces of equipment whenever specified ([CIG webpage/More Info/ Equipment reservation](#)), in addition to the hand note. It is in users' interest: the log, as an indicator of use, helps decide whether the equipment should be replaced once it fails.
- **Any equipment that was not reserved may be turned off anytime or used by other users.**