



Medizinische Klinik 3 - Rheumatologie und Immunologie

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Usage regulations and fees for the Mass Cytometry Unit Erlangen

The Mass Cytometry Unit Erlangen is an organization within the Department of Medicine 3 – Rheumatology and Immunology, Universitätsklinikum Erlangen. It offers dedicated mass cytometry applications (suspension and imaging) as well as related services to internal (Friedrich-Alexander-Universität Erlangen-Nürnberg, FAU, and Universitätsklinikum Erlangen, UKER) and external users. The conditions for using mass cytometry applications are as follows.

1) Staff

Management: Prof. Georg Schett

Technical direction: Dr. Simon Rauber, Aleix Rius Rigau

Assigned operators:

- Simon Rauber (Helios, Hyperion)
- Aleix Rius Rigau (Helios, Hyperion)
- Gabriella Raimondo (Helios)
- Melanie Rose (Helios)
- Kai-Ting Yang (Helios, Hyperion)
- Heike Danzer (Hyperion)
- Eva Schmid (Hyperion)
- Vladyslav Fedorchenko (Hyperion)

Responsibility for the below-mentioned regulations: Prof. Dr. Georg Schett, Dr. Simon Rauber and Aleix Rius Rigau

Responsibility for technical matters: Dr. Simon Rauber and Aleix Rius Rigau

2) Applicability

The usage regulations and fees are applicable for all users. The German version of the usage regulations and fees is binding.

3) Equipment

The Mass Cytometry Unit Erlangen offers mass cytometry devices allowing the analysis of cell

suspensions or fresh frozen and paraffin embedded tissue sections with about 45 metal conjugated markers. The following devices are available:

- Hyperion™ Imaging System (Standard Biotools, formerly Fluidgim)
- Helios™ Mass Cytometer (Standard Biotools, formerly Fluidgim)

The equipment includes further hardware and software for mass cytometric analysis.

4) Service Rates

The standard rates for the use of mass cytometry instruments include, but are not limited to, personnel for the operation of the instruments, their daily calibration and cleaning. For measurements of tissue microarray samples (TMAs) with a duration of more than 20 hours ("long IMC"), a reduced standard tariff may be offered to internal users. However, for TMA samples, with more than 10 ROIs, double the sample preparation fee will be charged. The same applies to "compensation slides".

Scientific support includes evaluation of individual projects, advice on antibody panel design, post-processing of data and quantification of results. An agreement on the possible services is made individually with the users for each project.

We reserve the right to adjust and change the user fees at any time. Users will be informed of any adjustment.

Internal Users (FAU and UKER):

- Imaging (operated): 20,00 €/h
- Imaging (operated, long IMC, >20h TMA): 17,50 €/h
- Imaging (non-operated): 15,00 €/h
- Imaging sample handling (operated mode):
 - 20,00 €/slide
 - 40,00 €/slide for TMA or compensation slide
- Suspension (operated): 55,00 €/h
- Suspension (non-operated): 25,00 €/h
- Suspension sample handling (operated mode):
 - 1 sample: 25 €/sample
 - 2 samples: 20 €/sample
 - 3 samples: 20 €/sample
 - 4 samples: 15 €/sample
- Metal conjugation service:
 - 250,00 € per reaction for single conjugation
 - 190,00 € per reaction for 2 conjugations
 - 170,00 € per reaction for 3 conjugations
 - 160,00 € per reaction for 4 conjugations
 - 155,00 € per reaction for 5 conjugations
 - 150,00 € per reaction for 6 conjugations
- Data management: 33,00 €/h
- Scientific Support: 50,00 €/h

External Users (Academic):

- Imaging (operated): 30,00 €/h
- Imaging sample handling:
 - 30,00 €/slide
 - 60,00 €/TMA
- Suspension (operated): 70,00 €/h
- Suspension sample handling: 35 €/sample
- Metal conjugation service:
 - 250,00 € per reaction for conjugation
- Data management: 50,00 €/h
- Scientific Support: 75,00 €/h

External Users (non-Academic):

- Imaging (operated): 75,00 €/h
- Imaging sample handling:
 - 50,00 €/slide
 - 100,00 €/TMA
- Suspension (operated): 100,00 €/h
- Suspension sample handling: 50 €/sample
- Metal conjugation service:
 - 350,00 € per reaction for conjugation
- Data management: 100,00 €/h
- Scientific Support: 200,00 €/h

5) Usage regulations

The service is available to internal and external users. The devices are operated by operators only. Self-operating is available only to internal users on selected projects in agreement with the management of the Unit. The use must be registered in advance with the above staff (contact via m3-cytof@uk-erlangen.de). Services are offered on demand, but may be prioritized as follows:

- a. Suspension mode (Helios) can only be performed during normal working hours (Monday through Friday, 8 a.m. to 5 p.m.).
- b. Long-term measurements (TMAs) should be taken on weekends.
- c. Internal requests take priority over external requests.

6) Data storage & Transfer

The Mass Cytometry Unit Erlangen is not responsible for storing the raw and processed data. After acquisition, the data is transferred to the user via a suitable medium (hard disk, cloud service) and deleted within 4 weeks.



Prof. Dr. Georg Schett

Department of Medicine 3 – Rheumatology and Immunology