

# Institute of Earth Sciences

## Electron Microscopy laboratory

### Terms of conditions and Service Rates

- The price per hour is valid only for users who have opened a credit account of 9000 ₪.
- The price per hour is valid only for user's whit credit in the account.
- Users cannot book when the account is in debt.
- Users can book for the current and the next month only.
- Users cannot book more than 3 days in a row.
- Booking by e-mail only ([microbeam@mail.huji.ac.il](mailto:microbeam@mail.huji.ac.il)). The Booking is valid only after receiving confirmation by e-mail.
- At the time of booking, you are required to provide the following information: sample type, analysis type, required elements, and analysis goal.  
See: **HUJI Microprobe Analysis Request Form**
- Booking time should be according to the attached table:

	Standard deviation	Detection limit (ppm)	Min booking days
Imaging (SEI, BSE, CL)			1
EDS (Factory setup)	5%	1000	1
EDS (Mineral calibration)	3%	500-1000	1-2*
WDS	0.5-1%	40-100	2-3*

\* Depends on a project.

- WDS calibration cannot be performed on the same day as the analyses.
- It is not possible to change the type of analysis or change calibration on the same day of the analyses.
- WDS calibration takes about two hours per mineral and can be performed only by the lab staff.
- The user can cancel an appointment without charge up to 24 hours before.
- Calibration is performed on existing SPI standards (minerals and metals).
- If specific standards are needed. It is the user's responsibility to provide them.

- Types and sizes of samples:

	Size	Depth	Max samples
Epoxy mounts	1" (outside diameter)	1"	6
Thin sections	4.5 X 2.6 cm		3
Thick samples	4.5 X 2.6 cm	1 cm	3
Large samples	7.5 X 3.5 cm	0.2 cm	1
Small samples	<1"	<1"	6

- All samples must be approved by the lab staff before entering the EPMA.
- The user is responsible for preparing his samples prior to the day of analyses (cutting, epoxy, polishing). Remember: epoxy must be prepared 48 hrs before analysis (the lab does not provide epoxy).
- Sample preparation should be done prior to the day of analyses.
- Polishing the samples is the user responsibility with lab staff guidance.
- Coatings are the lab staff responsibility.
- Changing samples are under lab staff responsibility only.
- The entrance to the lab is shoeless. The user should come with socks or get shoes from the lab. You will not be able to enter barefoot.
- User can work independently only after appropriate training and the approval of the lab manager.
- The lab manager can deny a user from independent work.
- During unassisted time at the instrument, the user is fully liable for any damage resulted on the EPMA instrument or accessory.
- It is user's responsibility to retrieve, back up, and process its data.
- The lab staff will not send the data electronically. The user can send it to himself from the lab computer.
- The lab is not a storage facility. Users are responsible to take their samples back at the end of analyses.
- For any further questions, please feel free to contact the lab staff.

# Service Rates – Electron Microscopy

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## EPMA

Category	users	Per hour		Per day		Sample Preparation**
		Independent	Assist	Independent	Assist	
1	IES	150	200	900	1200	20
2	HUJI	200	300	1200	1800	20
3	Academic	250	450	1500	2700	20
4	Industry	800	1200	4800	7200	20

\* All price in NIS.

\*\* Price per sample. (A set of small samples on one mount considered as one)

## SEM

Category	users	Per hour		Per day		Sample Preparation**
		Independent	Assist	Independent	Assist	
1	IES	100	150	600	900	20
2	HUJI	150	250	900	1500	20
3	Academic	200	300	1200	1800	20
4	Industry	600	1000	3600	6000	20

\* All price in NIS.

\*\* Price per sample. (A set of small samples on one mount considered as one)

## Booking:

E-mail for booking: [microbeam@mail.huji.ac.il](mailto:microbeam@mail.huji.ac.il)

Booking request will accepted only in addition to a full **HUJI Microprobe Analysis Request Form**.

The Booking is valid only after receiving confirmation by e-mail.