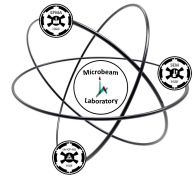




The Freedy & Nadine Herrmann
Institute of Earth Sciences
המכון למדעי כדור הארץ
לימים נדיה ופרידו הרמן
The Hebrew University of Jerusalem
האוניברסיטה העברית בירושלים

HUJI EPMA Analysis Request Form



Name :
Advisor :

Student
Faculty

General Tasks

WDS Quantitative Analysis
WDS Qualitative Analysis
WDS Qualitative Mapping
WDS Quantitative Mapping
EDS Semi-quantitative Analysis
EDS quantitative Analysis
EDS Mapping
Imaging (SEI, BSE, TOPO, CL)

WDS Analysis

Minerals:

Other Materials:

Elements: *(if different from standard list)*

WDS Compositional Mapping

Minerals

Other Materials:

Elements:

Sample Information

Polished Thin Section
Powder
Pressed Pellet
Glass (Volcanic/Synthetic/
Inclusion) Thin Film
Metallographic
Ceramics
Number of Samples :
Grain Mounts
Other

Training

WDS
EDS
Imaging (SEI, BEI, CL)
Polishing
Data Analysis

WDS Quantitative Analysis

Silicates Na Mg Si Al K Ca Ti Cr Fe Mn
Carbonates Na Mg Si Al K Ca Ti Fe Mn P F
Sulfides S Mn Fe Co Ni Cu Zn As Ag Sb Au Pb Bi
Oxides Na Mg Al Si Ca Ti V Cr Mn Fe Ni Zn Zr Nb
Heavy element Si P S Ca Y La Ce Pr Nd Sm Gd Dy Pb Th U
Apatite F Na Si P Cl K Ca V Fe Sr Ba La Ce Pr Nd
Sulfates Na Mg P S Cl K Ca Br Sr Ba Pb
Metals Ti V Cr Mn Fe Co Ni Cu Zn Mg Nb Mo Ta W
Light elements B C N O F Na
Additional Elements
Custom

EDS Analysis & Mapping

Minerals :

Other Materials:

Elements: *(if different from standard list)*

Imaging

Secondary Electron Imaging
Back-Scatter Electron Imaging
Topographic Imaging
Cathodoluminescence Imaging

Laboratory Policy Notes

- 1) Please submit analysis requests at least 2 weeks in advance.
- 2) Last-minute requests to change WDS analytes are undertaken at the discretion of EPMA personnel.
- 3) Training is mandatory for new users who wish to use the microprobe after hours; competency for permission to use the probe after hours will be assessed by EPMA personnel.
- 4) Users must follow instructions given by EPMA personnel or risk loss of lab privileges.
- 5) Quantitative calibrations take about 2 Hours per mineral.
- 6) If an unscheduled lab closure (e.g., illness, power failure) leads to a cancelled booking, users will be contacted and rescheduled as soon as possible.
- 7) Users should provide a minimum notice of 24 hours to cancel a booking and will be charged for any work already done.

I have read and agree to the terms of conditions
(see term of conditions file)

Training times may vary depending on previous experience with other SEMs or microprobes.

EPMA personnel not responsible for sample preparation (except coating) or sample storage after analysis complete.