



**GELLER  
MICROANALYTICAL  
LABORATORY, Inc.**

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...because a  $\mu\text{g}$  of understanding is worth a ton of guessing

Price List Effective: January 2017

**ANALYTICAL SERVICES**

**SURFACE ANALYSIS**

\$ 375/hr  
Auger Electron Spectroscopy (JEOL JAMP 7800), 50nm resolution, w/SEM function and X-ray Analysis, Depth profiles collected using rotational depth profiling. Digital imaging.

**SCANNING ELECTRON MICROSCOPY JEOL- 840**

\$ 325/hr  
with EDS x-ray, digital imaging (computer image files sent by email or disk- no charge!).

**ELECTRON MICROPROBE (fully automated (4))**

\$ 375/hr  
wavelength & 1 energy-dispersive x-ray spectrometer with detectabilities to 10ppm. SEM resolution 70Å. Digital images & data (image files & report sent by email).

**LABORATORY SERVICES:**

**Metallography-** Custom sample preparation, mounting, sections, polishing, plating thickness preparation, etc. \$ 215/hr

**Optical Microscopy-** Bench & Stereo. \$ 215/hr

**Profilometry-** Sloan Dektak 3030 for surface roughness, step heights, etc. \$ 85/scan (min. 3)

**Microhardness-** Vickers & Knoop indentation \$ 215/hr

Note: turnaround time is normally 1 week after receipt of samples.

For 1 -2 day expedited add 50%.

**PRODUCTS**

**VAC-U-STORR (VUS) Desiccators**

VUS-J-S (Glass) \$140  
VUS-J-M (Glass) \$250  
VUS-J-L (Glass) \$300  
VUS-J-XL \$425  
VUS-SS-4.5 4" Conflat flange, no top POR  
VUS-SS-4.63 4 5/8" Conflat flange, no top POR  
VUS-SS-6 6" Conflat flange, no top POR  
VUS-SS-8 8" Conflat flange, no top POR  
..call for prices on covers, gaskets & misc. parts.

**PRODUCTS**

**ION SPUTTER CALIBRATION STANDARDS (please check for availability)**

ISC-SIO2-500 SiO2 (500 ± 25Å) on 4" Si wafer \$475  
ISC-SIO2-1029 SiO2 (1006 ± 10Å) on 4" Si wafer \$975  
ISC-TA2O5 Ta2O5 on Ta, 1000Å (37mm2) \$330  
NiCr-3 12 layers Cr(60nm/Ni-60nm on Silicon (1 X 3 cm) \$660  
ISC-Si3N4-1000 Si3N4 (1000Å) on Si (1cmX3cm) \$330

**ULTRA-HIGH VACUUM ELEMENTAL STANDARDS**

	Mount only	Mount + standards
UHV-EL-6	Mount for 6 elements \$145	\$685
UHV-EL-9	Mount for 9 elements \$185	\$995
UHV-EL-12	Mount for 12 elements \$225	\$1,305
UHV-EL-15	Mount for 15 elements \$260	\$1,610
UHV-EL-18	Mount for 18 elements \$290	\$1,910
UHV-EL-37	Mount for 37 elements \$400	\$4,100

(note: the UHV-EL-37 with standards is shipped under vacuum in a small Vacu-Storr)

UHV-EL-37PI PHI Mount adapters \$330  
UHV-EL-37VG for VG Instruments \$330  
UHV-EL-37Stub (Amray, FEI, LEO, Zeiss) \$110  
UHV-EL-40RE Replacement elements (your choice on list except those below) \$110  
UHV-EL-Diamond (1mm) crystal, polished. \$220  
UHV-EL-SRM481 (5) NIST Cu:Ag wires . . \$220  
UHV-EL-SRM482 (5) NIST Cu:Au wires . . \$220  
UHV-EL-Al-Cu X-ray Calibration. std. (NIST traceable) \$155  
JN-1 SEM demo standards (not UHV compatible) \$640

**MAGNIFICATION REFERENCE STANDARDS**

	MR-1	MRS-3	MRS-4	MRS-6
MRS-#NT (Not traceable)	n/a	\$490	\$990	\$3,000
MRS-#XY (XY traceable)	n/a	\$1,500	\$2,100	\$4,900
MRS-#XYZ (XYZ traceable)	n/a	\$1,800	\$2,400	n/a
MR-1X (X traceable only - 100µm X 150 mm)	\$1,200	n/a	n/a	n/a
<b>Cleaning only (best effort basis)</b>	\$200	\$200	\$200	\$200
RECERTIFICATION Micro Ruler	\$600	n/a	n/a	n/a
RECERTIFICATION & CLEANING X and Y axes	n/a	\$1,000	\$1,500	\$2,900
RECERTIFICATION & CLEANING X, Y and Z axes	n/a	\$1,300	\$1,800	n/a

**No return authorization necessary. Please send with purchase order**

**RETAINERS & miscellaneous**

MRS-SEM/R Retainer (1" OD X 1/8")	n/a	\$100	\$100	n/a
MRS-OM/R (optical microscope adapter 1"X2")	n/a	\$100	\$100	n/a
MRS-Glass (1" X 3" glass slide mounting)	n/a	\$100	\$100	n/a
MRS-3 or 4 (for TEM, etc.) 3mmX 0.25mm	n/a	\$350	\$350	n/a
MRS-pin (used with the SEM/R - 1/8" pin)	n/a	\$100	\$100	n/a
MRS-6-Retainer/pin	n/a	n/a	n/a	\$250

**Magnification standards traceability: accredited to ISO-17025 (ACLASS registrar)**

**Terms:**

Payment is net 30 days subject to credit approval.

VISA, Master Card and American Express accepted with 3% bank fee added

Late fee of 1.5%/month for delinquent accounts.

Shipping: FOB Topsfield, Ma. Delivery: Stock to 30 days

Foreign delivery orders must be prepaid. Payment to be made against a U.S. bank by check in U.S. \$, by Letter of Credit, wire, or credit card.

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OP 3.0-8 Rev. M