

(updated February 26, 2026)

Environmental Sedimentology and Ichnology Lab Charges

| Procedure | Instrument | Com- ment | Price per sample (government, industry) | Price per sample (academic) | | Training |
|---|---|----------------------------|--|--------------------------------|------------|----------|
| | | | Assisted | Assisted | Unassisted | |
| Grain Size Analysis* | | | | | | |
| Grain size analysis (fine) | Micromeritics Sedigraph 5120 | 0.01–250 µm | \$73.5 | \$52.5 | \$21 | \$52.5 |
| Develop a new SOP (Standard Operating Procedure) for Micromeritics Sedigraph 5120 | | | \$31.5 | \$31.5 | \$15.8 | |
| Grain size analysis (coarse; dry seive) | Analytical sieve shaker RETSCH 200 digit with Comfort clamping device | 63 µm to >4 mm (1φ step) | \$52.5 | \$42 | \$15.8 | \$26.3 |
| Laboratory Analyses | | | | | | |
| Hydrogen Peroxide Pre-Treatment | | | \$10.5 | \$5.3 | \$5.3 | |
| Crushing | Mortar and Pestle/ Ball mill | | \$15.8 | free | free | |
| Sediment drying | Drying oven BINDER | 56 L | \$10.5 | \$5.3 | \$5.3 | |
| Calcium Carbonate (lime) Content Analysis** | | | | | | |
| Calcium carbonate analysis | Eijkelkamp calcimeter | | \$52.5 | \$42 | \$15.8 | \$52.5 |
| Core/sample description and analysis *** | | | | | | |
| Color determination | Munsell soil color chart | | \$21 | | \$15.8 | |
| Mineralogy | Binocular microscope/ 10x professional hand lens/ grain size chart | | \$21 | | \$15.8 | |
| Core/ sample photography | Camera RICOH | | \$21 | | \$15.8 | |
| Water quality monitoring*** | | | | | | |
| Multi Water Quality Checker | HORIBA U-52G (pH, oxidation reduction potential, dissolved oxygen, electrical conductivity, salinity, total dissolved solids, seawater specific gravity, water temperature, turbidity, GPS) | Cable length 10 m (~33 ft) | \$150 | | \$130 | \$30 |

All requested rush deliveries (< 1 week) subject to a 50% surcharge. Replicate analyses are billed per run at the standard analysis rate. One QC replicate per batch of 20 samples is provided free of charge.

* Use of glassware, magnetic stirrer, deionized water, ultrasonic bath, analytical microbalance is included in the price

** Use of calcium carbonate powder (98.5%) and hydrochloric acid is included in the price

*** Price per day of use, unassisted only

1. Unassisted analysis and use of rented equipment requires training and adhering to strict laboratory protocols. Any costs to fix damaged equipment that results from user error is the responsibility of the individual user (for unassisted analyses/rentals).
2. All laboratory users must show evidence of completing lab safety training. Additionally, all Micromeritics Sedigraph operators must show evidence of completing x-ray safety training.