

Chemical and Macroinvertebrate Equipment Purchasing Information

Prices as of 7/3/2018

Ben Meadows Orders: AAS Volunteers get a 10% discount by entering discount code TSDNR18
Exclusions apply. Valid until 12/31/2018

CHEMICAL EQUIPMENT

Conductivity Meter and Conductivity Standard

The Oakton Dual Range EC Tester 11 (code: 143448) has been discontinued. If you are still using this model and have access to 250 $\mu\text{S}/\text{cm}$ conductivity standard, you can continue to use that to calibrate your meter. If you don't have access to 250 $\mu\text{S}/\text{cm}$ standard, you may want to switch to 1413 $\mu\text{S}/\text{cm}$ as the 250 $\mu\text{S}/\text{cm}$ has become difficult to acquire. When using 1413 $\mu\text{S}/\text{cm}$ standard, calibrate to 1410 (as meters read to nearest tenth). Please contact the State Office at AAS@gaepd.org if you have questions.

If you are in need of a new meter, a replacement option is the Oakton EcoTestr CTS Pocket Meter. It measures conductivity, salinity and TDS. For calibration, the manual recommends using 1413 $\mu\text{S}/\text{cm}$ standard. However, other conductivity solutions may be used. For more details and specifications, refer to the meter [data sheet](#) and calibration section of the [instructional manual](#).

The meter and recommended conductivity standard can be found through multiple vendors at different prices and sizes (standard). Below are a few examples. Although prices are similar, please check each website as there are sometimes sales.



Oakton EcoTestr CTS Pocket Meter

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| Cole-Parmer (code EW-35462-11) | \$72.00 |
| Ben Meadows (code 230079) | \$72.99 |
| VWR International (code 76221-244) | \$74.93 |

1413 $\mu\text{S}/\text{cm}$ Conductivity Standard

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| Cole-Parmer (code EW-00653-18) | \$15.50 |
| Ben Meadows (code 23759) | \$12.99 |

Ben Meadows

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| 1-800-241-6401 www.benmeadows.com | |
| LaMotte Shallow Water Test Kit (code 225529) | \$257.99 |
| Dissolved Oxygen Individual Kit (code 54183) | \$55.29 |
| pH Individual Kit (code 221796) | \$41.59 |
| Salinity Refractometer RF20 (code 99716) | \$89.99 |
| Secchi Disk, 20cm dia. (code 125046) | \$27.79 |



LaMotte Company

1-800-344-3100 www.lamotte.com

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|---------------------------------------|---------|
| Thermometer (code 1066) | \$23.40 |
| DO Water Sample Bottle (code 0688-DO) | \$5.15 |
| pH test tube (code 0230) | \$2.95 |
| DO Titration Tube (code 0608) | \$3.45 |
| Titration (code 0377) | \$6.45 |

REPLACEMENT REAGENTS

Ben Meadows

1-800-241-6401 www.benmeadows.com

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| Shallow Water Kit Reagents (code 225534) | \$59.99 |
| Dissolved Oxygen Kit Reagents (code 221789) | \$32.99 |
| pH Kit reagent (code 221797) | \$10.99 |



LaMotte Company

1-800-344-3100 www.lamotte.com

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| Shallow Water Kit Reagents (code R-5854-01) | \$67.85 |
| Dissolved Oxygen Kit Reagents (code R-5860) | \$36.50 |
| pH Kit reagent (code 2218-G) | \$7.25 |
| Manganous Sulfate (code 4167-G) | \$9.05 |
| Alkaline Potassium Iodide Azide (code 7166-G) | \$11.90 |
| Sulfuric Acid 1:1 (code 6141WT-G) | \$8.15 |
| Thiosulfate (code 4169-H) | \$9.00 |
| Starch Indicator (code 4170WT-G) | \$7.00 |

MACROINVERTEBRATE EQUIPMENT

Ben Meadows

1-800-241-6401 www.benmeadows.com

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|---------------------------------------|---------|
| D-Frame Net (code 224902) | \$77.99 |
| Replacement D-Frame Net (code 224903) | \$25.49 |
| Featherweight Forceps (code 301057) | \$8.39 |

BioQuip Products

310-667-8800 www.bioquip.com

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| D-frame net (code # 7412D) | \$59.85 - 1 x 1 feet |
| Kick seine net (code # 7436) | \$53.75 - 3 x 3 feet |
| Larval tray (code # 1426B) | \$15.60/dozen |
| Glass Vials with plastic Screw caps (code 8802P) | \$5.75/dozen |



Note: Sorting trays can usually be found at your local grocery store or supercenter for a much lower price. Plastic syringes with large (or cut) openings are great for sucking up larvae to transport to other trays. Plastic spoons and pieces of window screen are handy tools for moving bugs from one tray to another. Ice trays work great for sorting specimens.