

# Chemical and Macroinvertebrate Equipment Purchasing Information

Prices as of 7/15/2019

Forestry Suppliers Orders: AAS Volunteers get a **10% discount** by entering discount code  
**TSDNR18**

\*Exclusions apply. Valid until 12/31/2019\*

## 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](mailto: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

<a href="#">Cole-Parmer</a> (code EW-35462-11)	\$74.00
<a href="#">Forestry Suppliers</a> (code 76121)	\$68.50
<a href="#">VWR International</a> (code 76221-244)	\$83.91

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

<a href="#">Cole-Parmer</a> (code EW-00653-18)	\$16.00
<a href="#">Forestry Suppliers</a> (code 76115)	\$10.95

#### Forestry Suppliers (previously Ben Meadows)

1-800-647-5368 <a href="http://www.forestry-suppliers.com/">www.forestry-suppliers.com/</a>	
LaMotte Shallow Water Test Kit (code 225529)	\$293.00
Dissolved Oxygen Individual Kit (code 54183)	\$61.50
pH Individual Kit (code 221796)	\$45.50
Salinity Refractometer RF20 (code 76593)	\$110.75
Secchi Disk, 20cm dia. (code 125046)	\$29.50



## LaMotte Company

1-800-344-3100 [www.lamotte.com](http://www.lamotte.com)

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

### Forestry Suppliers

1-800-647-5368 [www.forestry-suppliers.com/](http://www.forestry-suppliers.com/)

Dissolved Oxygen Kit Reagents (code 77195)	\$37.95
pH Kit reagent (code 77085)	\$7.95



### LaMotte Company

1-800-344-3100 [www.lamotte.com](http://www.lamotte.com)

Shallow Water Kit Reagents (code R-5854-01)	\$70.55
Dissolved Oxygen Kit Reagents (code R-5860)	\$37.95
pH Kit reagent (code 2218-G)	\$8.10
Manganous Sulfate (code 4167-G)	\$10.10
Alkaline Potassium Iodide Azide (code 7166-G)	\$13.25
Sulfuric Acid 1:1 (code 6141WT-G)	\$9.10
Thiosulfate (code 4169-H)	\$10.05
Starch Indicator (code 4170WT-G)	\$7.80

## MACROINVERTEBRATE EQUIPMENT

### Forestry Suppliers

1-800-647-5368 [www.forestry-suppliers.com/](http://www.forestry-suppliers.com/)

D-Frame Net (code 53755)	\$89.95
Replacement D-Frame Net (code 53756)	\$27.50
Featherweight Forceps (code 53809)	\$5.95

### BioQuip Products

310-667-8800 [www.bioquip.com](http://www.bioquip.com)

D-frame net (code # 7412D)	\$66.61 - 1 x 1 feet
Kick seine net (code # 7436)	\$59.83 - 3 x 3 feet
Larval tray (code # 1426B)	\$17.20/dozen
Glass Vials with plastic Screw caps (code 8802P)	\$6.34/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.