

# Tidal Saltwater Kit-Building Supply List

Listed suppliers are suggestions. We recommend you check multiple suppliers to find the cheapest rate. Some vendors may require bulk purchase. If you have any questions, please email us at [scaas@des.sc.gov](mailto:scaas@des.sc.gov).

Item	Description and Notes	Suppliers	Approximate Price
<b>Gloves</b>	Disposable nitrile gloves <i>Consider size options when purchasing. Medium and Large should fit most.</i>	Amazon, Carolina Biological	\$10
<b>Rinse bottle</b>	Plastic wash bottle (250 - 500 mL)	Grainger, Carolina Biological	\$6-10
<b>Waste bottle</b>	Wide mouth plastic lab bottle (500 - 1000 mL)	Carolina Biological, Berlin, Amazon	\$6-30
<b>Bucket</b>	5-gallon bucket with lid	Home Depot, Lowes, Amazon	\$5-25
<b>Rope for bucket</b>	Polypropylene rope (100 ft)	Amazon, Home Depot, Lowes	\$10
<b>Clipboard</b>	Plastic clipboard <i>Wooden is fine, but plastic is recommended to decrease wear.</i>	Amazon, Office Depot, Staples	\$6
<b>Transparency tube</b>	Transparency tube with Secchi disk (120 cm) <i>Some vendors list it as a turbidity tube.</i>	Carolina Biological, Forestry Suppliers	\$65-90
<b>Secchi disk</b>	20 cm diameter Secchi disk with rope <i>Some come pre-marked, others you have to mark manually.</i>	Flinn Scientific, Carolina Biological, Grainger, School Specialty	\$75-100
<b>Thermometer</b>	Armored case thermometer (°C)	Forestry Suppliers, Amazon, Cole-Parmer, Grainger	\$15
<b>Refractometer</b>	Salinity refractometer <i>Ensure you don't purchase a Brix refractometer, which measures sugar content instead of salt.</i>	Cole-Parmer, Grainger, Carolina Biological	\$120-200
<b>pH kit</b>	LaMotte Precision pH Test Kit 3.0 - 10.5 (5858-01)	Grainger, Forestry Suppliers, Amazon	\$55-75
<b>Dissolved oxygen kit</b>	LaMotte Dissolved Oxygen Test Kit (5860-01) <i>Kit only comes with one bottle, cylinder, and titrator.</i>	Carolina Biological, Grainger, Forestry Suppliers	\$80
<b>Extra DO bottle</b>	LaMotte Glass ColorQ Water Sample Bottle (0688-DO)	Pollard Water, Thomas Scientific	\$10
<b>Extra DO cylinder</b>	LaMotte Glass Test Tube (0608-DO)	Carolina Biological, LabScoop	\$5
<b>Extra DO titrator</b>	LaMotte Direct Reading Titrator, 0-10 ppm (0377)	Carolina Biological, MegaDepot	\$15

Item	Description and Notes	Suppliers	Approximate Price
<b>DO chemical refill</b>	LaMotte Dissolved Oxygen Water Test Kit Refill	Carolina Biological	\$50
<b>pH chemical refill</b>	LaMotte Precision pH Water Test Kit Refill	Thomas Scientific, Carolina Biological	\$10
<b>Starch refill</b>	LaMotte Starch Indicator Solution (4170-WT-G)	Carolina Biological	\$10
<b>Sampling pole</b>	Graduated plastic dipper/sampling pole <i>Optional.</i>	Cole-Parmer, Grainger, Lab Depot	\$70-100
<b>Distilled water</b>	For calibrating refractometer	Grocery store	\$2
<b>SDS book</b>	Booklet containing Safety Data Sheet information for chemicals	Email <a href="mailto:scaas@des.sc.gov">scaas@des.sc.gov</a>	\$0
<b>Handbook</b>	Tidal Saltwater Monitoring training handbook	SC AAS website	\$0
<b>Data form</b>	Tidal Saltwater Monitoring data collection form	SC AAS website	\$0
<b>Laminated guides</b>	Guides on monitoring protocol for field use	SC AAS website	\$0