

Freshwater Stream 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.

Item	Description and Notes	Suppliers	Approximate Price
Gloves	Disposable nitrile gloves <i>Consider size options when purchasing. Medium or Large should fit most.</i>	Amazon, Carolina Biological	\$10
Rinse bottle	Plastic wash bottle (250 - 500 mL)	Grainger, Carolina Biological	\$6-10
Waste bottle	Wide mouth plastic lab bottle (500 - 1000 mL)	Carolina Biological, Berlin, Amazon	\$6-30
Backpack	Mesh backpack	Amazon, Walmart	\$20-25
Clipboard	Plastic clipboard <i>Wooden is fine, but plastic is recommended to decrease wear.</i>	Amazon, Office Depot, Staples	\$6
Transparency tube	Transparency tube with Secchi disk (120 cm) <i>Some vendors list it as a turbidity tube.</i>	Carolina Biological, Forestry Suppliers	\$65-90
Thermometer	Armored case thermometer (°C)	Forestry Suppliers, Amazon, Cole-Parmer, Grainger	\$15
pH kit	LaMotte Precision pH Test Kit 3.0 - 10.5 (5858-01)	Grainger, Forestry Suppliers, Amazon	\$55-75
Dissolved oxygen kit	LaMotte Dissolved Oxygen Test Kit (5860-01) <i>Kit only comes with one bottle, cylinder, and titrator.</i>	Carolina Biological, Grainger, Forestry Suppliers	\$80
Extra DO bottle	LaMotte Glass ColorQ Water Sample Bottle (0688-DO)	Pollard Water, Thomas Scientific	\$10
Extra DO cylinder	LaMotte Glass Test Tube (0608-DO)	Carolina Biological, LabScoop	\$5
Extra DO titrator	LaMotte Direct Reading Titrator, 0-10 ppm (0377)	Carolina Biological, MegaDepot	\$15
Petrifilm plates	3m Petrifilm E. Coli plates (50)	Carolina Biological, Fisher Scientific	\$100-150
Max/min thermometer	Digital max/min thermometer <i>Celsius recommend.</i>	Lab Depot, Amazon, Grainger	\$10-40
Incubator	Still-air incubator	Amazon, Tractor Supply Company	\$60-75
Pipette	Fixed volume pipette (1 mL) <i>1 mL = 1000 µL.</i>	Amazon, Carolina Biological	\$50
Pipette tips	1 mL sterile pipette tips	Carolina Biological, Thomas Scientific, Cole-Parmer	\$55

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Whirl-Pak bags	Whirl-Pak bags, 4oz	Sigma-Aldrich, Lap Depot, U-LINE	\$85-100
Cooler	Insulated cooler bag	Walmart, Amazon	\$10-20
Ice pack	Reusable ice pack	Walmart, Amazon	\$10
DO chemical refill	LaMotte Dissolved Oxygen Water Test Kit Refill	Carolina Biological	\$50
pH chemical refill	LaMotte Precision pH Water Test Kit Refill	Thomas Scientific, Carolina Biological	\$10
Starch refill	LaMotte Starch Indicator Solution (4170-WT-G)	Carolina Biological	\$10
SDS book	Booklet containing Safety Data Sheet information for chemicals	Email scaas@des.sc.gov	\$0
Handbook	Freshwater Stream Monitoring training handbook	SC AAS website	\$0
Data form	Freshwater Stream Monitoring data collection form	SC AAS website	\$0
Laminated guides	Guides on monitoring protocol for field use	SC AAS website	\$0