

Water Quality Laboratory

Kansas State University

<https://www.k-state.edu/water-institute/water-quality-lab/>



Sample Submittal Form – Water - EXTERNAL Research

Ship or delivery sample(s) to:

Water Quality Lab – Kansas State University
1712 Claflin Road
2404 Throckmorton Hall
Manhattan, KS 66506
Phone: 785-532-3909 Email: wql@ksu.edu

(For laboratory use)

Lab Number:

General Information: Contact Name: _____ Date: _____

Organization/Department _____ Funding Source: _____

Street Address: _____ City: _____ State: _____ Zip Code: _____

Email: _____ Phone: _____

Sample Name _____ Number of samples: _____

Matrix Type: ☐ Water ☐ Wastewater ☐ Extracts

Return Sample: ☐ YES ☐ NO Date Results Needed: _____

Payment Method: ☐ By check (Check Number: _____) ☐ By card ☐ By invoice

Tests with price \$xx will be offered in the future because the lab is currently under development.

Physical & Chemical Parameters:

- | | |
|--|--|
| ☐ \$6 pH | ☐ \$12.50 Total N & P |
| ☐ \$6 Conductivity (EC) | ☐ \$18 Trace elements on ICP-MS/MS* (☐ Al, ☐ As, |
| ☐ \$13 Alkalinity as CaCO ₃ | ☐ Ag ☐ B, ☐ Ba, ☐ Be, ☐ Cd, ☐ Co, ☐ Cr, ☐ Cu, |
| ☐ \$11 Hardness (calculated from Ca and Mg) | ☐ Fe, ☐ Hg, ☐ Mn, ☐ Mo, ☐ Ni, ☐ Pb, ☐ Se, ☐ Ti, |
| ☐ \$12 Turbidity | ☐ V, ☐ U, ☐ Zn) |
| ☐ \$6 Total Dissolved Solids (TDS) | ☐ \$22 (1 st Anion) or \$31(all) Full Anions Suite on IC ☐ |
| ☐ \$9.50 Total Suspended Solids (TSS) | F, ☐ Cl, ☐ NO ₂ -N, ☐ SO ₄ , ☐ Br, ☐ NO ₃ -N, ☐ PO ₄ |
| ☐ \$26 Dissolved Organic Carbon (DOC) | ☐ \$21 (1 st element) or \$31 (all) Full Cations Suite on IC |
| ☐ \$18 Total Organic Carbon (TOC) | ☐ Na, ☐ NH ₄ , ☐ K, ☐ Mg, ☐ Ca, ☐ Sr |
| ☐ \$46 Biological Oxygen Demand (BOD) | ☐ \$4 (1 st element) and \$2.25 (each add'l) Major |
| ☐ \$36 Chemical Oxygen Demand (COD) | Elements on ICP-OES* (☐ Ca, ☐ Mg, ☐ Na, ☐ K, |
| ☐ \$2.75 Dissolved Ortho-P (colorimetric) | ☐ Zn, ☐ Fe, ☐ Cu, ☐ Mn, ☐ S, ☐ P) |
| ☐ \$36.50 Ammonia | ☐ \$xxx As Speciation using HPLC-ICP MS |
| ☐ \$61 Total Kjeldahl N (TKN) | ☐ \$xxx Se Speciation using HPLC-ICP MS |

*Contact WQL for additional elements

Emerging & Organic Contaminants:

- | | |
|--|---|
| ☐ \$334 PFAS - EPA 1633 | ☐ \$126 PFAS direct injection |
| ☐ \$98 Agricultural herbicide/insecticide panel | ☐ \$109 Glyphosate panel |
| ☐ \$146.25 Microplastics (Clear water) | ☐ \$xxx Volatile organic compounds |
| | ☐ \$xxx Septic tracers (artificial sweeteners) |

Biological Parameters: (Contact laboratory for sterile containers and use next-day shipping)

- | | |
|--|--|
| ☐ \$40 Quantifying Coliforms | ☐ \$40 Quantifying <i>E. coli</i> |
| ☐ \$40 Quantifying Enterococci | ☐ \$40 Quantifying <i>Pseudomonas aeruginosa</i> |
| ☐ \$50 Isolation of Salmonella and PCR confirmation | ☐ \$50 Isolation of <i>E. coli</i> and PCR confirmation |
| ☐ \$50 Isolation of Listeria and PCR confirmation | |

Stable Isotopes:

- | | |
|--|---|
| ☐ \$10 $\delta^2\text{H}$ and $\delta^{18}\text{O}$ | ☐ \$xx $\delta^{17}\text{O}$ |
|--|---|

Analytical Packages: All analytical packages require 0.5 L (16.9 oz.) of sample volume.

Analytical Package	Price	Parameters Included
Irrigation	☐ \$130	EC, pH, NO ₃ -N, SO ₄ , Cl, Ca, Mg, Na, K, Fe, Mn, B, TDS, Alkalinity, Hardness, Sodium Adsorption Ratio (SAR), Corrosivity
Domestic	☐ \$207	EC, pH, NO ₃ -N, SO ₄ , F, Cl, Ca, Mg, Na, K, P, Fe, Mn, Pb, As, Ba, Cu, Cr, Se, U, Ni, TDS, Hardness, Total Coliforms, <i>E. coli</i> , Alkalinity, Conductivity, Corrosivity
Livestock & Poultry	☐ \$102	EC, pH, NO ₃ -N, SO ₄ , Cl, Ca, Mg, Na, K, Fe, Mn, Pb, As, TDS, Hardness
Fish Pond	☐ \$122	EC, pH, NO ₃ -N, NO ₂ -N, F, Cl, SO ₄ , PO ₄ , NH ₄ -N, Ca, Mg, Na, K, Fe, Mn, Pb, As, TDS, Alkalinity, Hardness
Brewers Water Test	☐ \$97	EC, pH, NO ₃ -N, SO ₄ , Ca, Mg, K, Na, Cl, Fe, TDS, Hardness, Alkalinity, Carbonate, Bicarbonate
Wine Water Test	☐ \$75	Turbidity, pH, Ca, Fe, Mn, Al, Si, Alkalinity, Carbonate, Hardness
Hydroponic Test	☐ \$129	EC, pH, NH ₄ -N, NO ₃ -N, SO ₄ , B, Ca, Mg, Na, Cu, Fe, Mn, Mo, Zn, TN, TP, Alkalinity, Carbonate, Bicarbonate

Additional Charges for Sample Preparation:

- | | |
|--|---|
| ☐ \$23 Microwave digestion for ICP-OES and ICP-MS | ☐ \$4.50 Water filtration with 0.45 μm Filter |
|--|---|

Note: *Testing performed by the Kansas State University Water Quality Lab is intended for screening, research, and/or informational purposes only. Results should not be used to certify compliance purposes.*