**Tissue Lysis Buffer Recipe**

For Ethanol Preserved Filters using Phenol-Chloroform-Isoamyl (PCI) Extraction

To make 500 mL of Tissue Lysis Buffer, combine in numerical order:

1. 50 mL 1 M Tris-HCl, pH 8.0
2. 5 mL 0.5 M EDTA, pH 8.0
3. 20 mL 5 M NaCl
4. 415 mL DI H20
5. 10 mL 10% SDS (w/v)

Final Concentrations of each item in solution will be:

0.1 M Tris-HCl

5 mM EDTA (i.e., 0.005 M EDTA)

0.2% SDS (w/v)

0.2 M NaCl

Source:

*Deiner, K., F. Altermatt. 2014. Transport distance of invertebrate environmental DNA in a natural river. PLoS One 9(2): e88786.*