**Longmire’s Buffer Solution Recipe**

To make 1 L of Longmire’s Buffer Solution, combine in numerical order:

1. 100 mL 1 M Tris-HCl, pH 8.0
2. 200 mL 0.5 M EDTA, pH 8.0
3. 2 mL 5 M NaCl
4. 648 mL DI H2O
5. 50 mL 10% SDS (w/v)

Final concentrations of each item in solution will be:

0.1 M Tris-HCl

* 1. M EDTA

10 mM NaCl

0.5% SDS (w/v)

Store at room temperature.

Source:

*Longmire, J. L., Maltbie, M., Baker, R. J. 1997. Use of “Lysis Buffer” in DNA isolation and its implication for museum collections. Museum of Texas Tech University: Occasional Papers, 163: 1-3.*