

APPENDIX C

Reagents for DNA extraction

1. Chelex Solution (5%)

Five grams of Chelex-100 (Biorad, Germany) was dissolved in 100 ml DW.

2. Sodium acetate (3 M, pH 4.2)

Sodium acetate (NaOAc.3H₂O) 40.82 g

The pH was adjusted to 4.2 with 1 N HCl and DW was added to make 100 ml.

3. 70% Ethanol

Absolute ethanol 70 ml

DW 30 ml

4. TE (pH 8.0)

The solution will be prepared by mixing the following ingredients together:

1 M Tris-HCl, pH 8.0 10 ml

0.5 M EDTA, pH 8.0 2 ml

DW was added to make 1,000 ml

5. Tris-HCl, 1 M, pH 8.0

The solution was prepared by dissolving 121.2 g of Tris base in 1 liter of DW. The pH of this solution was adjusted to 8.0 with 1 N HCl.

6. EDTA, 0.5 M, pH 8.0

The solution was prepared by dissolving 186.1 g of Na₂EDTA.2H₂O and 10 g of NaOH in 1 liter of DW. The pH of this solution was adjusted to 8.0 with 1 N NaOH.