DNA extractions from fin clips and embryos

For a crude DNA extraction (e.g. for downstream PCR genotyping):

1) Prepare Lysis Mix:

Lysis Mix:
925 μl Lysis Buffer
75 μl Proteinase K (10 mg/ml)

2) Add 50 μl of Lysis Mix to sample (e.g. dechorionated and euthanized embryo, larvae or fin clip)
3) Incubate at 55°C in oven for 3-6 hours (or overnight)
4) Typically, 1-5 μl of 1:50 or 1:100 dilution of this crude extract should be used for PCR

Lysis buffer

10 mM Tris-HCl pH 7.5
50 mM KCl
0.3% Tween-20
0.3% NP-40
1 mM EDTA pH 8.0

E.g. for generating 250 ml:

Stock	Add
1 M Tris-HCl pH 7.5	2.5 ml
1 M KCl	12.5 ml
100% Tween-20	0.75 ml
NP-40	0.75 ml
0.5 M EDTA pH 8.0	0.5 ml
Water	233 ml