AQUATIC ZEBRAFISH CORE

DNA Extraction from Zebrafish Larvae and Embryos

This is a rather impure DNA extraction for PCR genotyping. Use a column kit for other applications.

- Anesthetize larvae with 0.1-0.3mg/ml Tricaine (stock 4mg/ml).
- Transfer larvae or embryos to PCR strip or PCR plate using a small pipette. Add enough liquid to keep submerged.
- Remove liquid and place PCR tubes in ice water or on thermo plate on ice.
- Add 25ul ice-cold extraction buffer to euthanize larvae or embryos. Seal plate or tubes.
- Directly transfer tubes to PCR machine preheated to 96C. Incubate for 30 minutes.
- Add 25ul stabilization buffer and mix by tapping or vortex.
- Use about 2ul in a 15ul PCR reaction.