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Polymerase Chain Reaction (PCR) - DNA barcoding

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Protocol status: Working

We use this protocol and it's working

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Guidelines

PCR conditions: 95°C (2min), 35 cycles of 94°C (30sec), 54°C (30sec) and 72°C (1min), followed by 72°C (10min).

Materials

Sterile H₂O; dNTP mix (1.25 mM); buffer 10X (200 mM Tris-HCl (pH = 8,4) + 500 mM KCl); MgCl₂ (50 mM); Primer Fish F1 and Fish R1 (5μM); Taq DNA polymerase.

Before start

The reactions in 25 μL final volume.

1. Add 15 μL sterile H_2O , 2.8 μL dNTP mix (1.25 mM);
2. Add 2.5 μL buffer 10X (200 mM Tris-HCl (pH = 8,4) + 500 mM KCl);
3. Add 2.5 μL de MgCl_2 (50 mM);
4. Add 0.5 μL of each primer (5 μM);
5. Add 0.2 μL Taq DNA polymerase (5U/ μL) and 1 μL of genomic DNA (100ng/ μL)

