🌐 DNA extraction (Zymo kit)

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Sample Collection	2m 30s

1 Add 🥤**200 µL** of **1mm beads** to 1.5ml enppendorf tube   30s

2 Add 🥤**200 µL** of **0.5mm beads** to 1.5ml enppendorf tube   30s

3 Add 🥤**600 µL** of **lysis solution** to 1.5ml enppendorf tube   30s

4   Collect 🥛**9-10 µg** of **sample** to 1.5ml enppendorf tube   1m

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Sample crush

5   Put 1.5ml eppendorf tube in the mixmill for sample crush; at condition: 30 rpm/s, for 4mins   4m

⏲ **00:04:00**

Centrifugation

6   Put 1.5ml eppendorf tube in centrifuge for centrifugation, at this condition: 3m

⚙ **17.0 x g, 25°C, 00:03:00**

DNA purification   37m 30s

7   Add 🥛**600 µL** of **DNA binding buffer** to 1st well of 96 deep well plate   30s

7.1   Add 🥛**25 µL** of **magnetic beads** to 1st well of 96 deep well plate   30s

> Shake the bottle and pipetting before using magnetic beads

7.2   Add 🥛**200 µL** of **sample (lysate)** from 15ml centrifuge microtube to 1st well of 96 deep well plate   30s

> Usally add last

8   Add 🥛**500 µL** of **Wash 1** to 2nd well of 96 deep well plate   30s

9   Add 🥛**500 µL** of **Wash 2** to 3rd well of 96 deep well plate   30s

10 Add 💧**500 μL** of **Wash 2** to 4th well of 96 deep well plate

30s

11 Add 💧**100 μL** of **water** to 5th well of 96 deep well plate

30s

12 Put in the automated DNA extraction machine

34m