



VERSION 2

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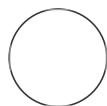
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Protocol status: In development
We are still developing and optimizing this protocol

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TEST - manual DNA Purification via magnetic beads V.2

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ABSTRACT

manual purification of DNA/PCRs via magnetic beads

ATTACHMENTS

[manual
purification_CaJu.xlsx](#)


MATERIALS

- NGS clean-up and size selection magnetic beads (Macherey-Nagel)
- 80% EtOH
- WFI (Ampuwa)
- magnetic rack
- tube rack
- fresh tubes

BEFORE START INSTRUCTIONS

bring magnetic beads to room temperature (at least 30min)

 prepare magnetic beads


1  00:30:00 bring magnetic beads to room temperature (RT)

30m

2 vortex until homogeneous

Binding of DNA

3 Add beads

 0.9 times the amount of PCR volume

4  00:05:00 incubate for at least 5min

5m


5  00:05:00 place tube in magnetic rack

5m

6 remove supernatant

1st wash

7 add ethanol

 1.9 times the amount of PCR volume
vortex thoroughly

8  00:05:00 place in magnetic rack

5m

9 remove supernatant

2nd wash

10 add ethanol
⚗ 1.9 times the amount of PCR volume
vortex thoroughly

11 ⌚ 00:05:00 place in magnetic rack

5m

12 remove supernatant

Airdry beads

13 ⌚ 00:10:00 keep lid open in magnetic rack

10m

14 remove residual supernatant


Elute DNA

10m

15 place tube in sample rack

16 add indicated volume of water and mix/vortex thoroughly

5m

 00:05:00 incubate

17  00:05:00 place in magnetic rack

5m

18 transfer supernatant into labeled tube