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Version 1

# © DNA extraction (BOMB) V.1

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Protocol status: Working

We use this protocol and it's working

Created: July 04, 2022



Last Modified: September 13, 2023

**Protocol Integer ID:** 65887

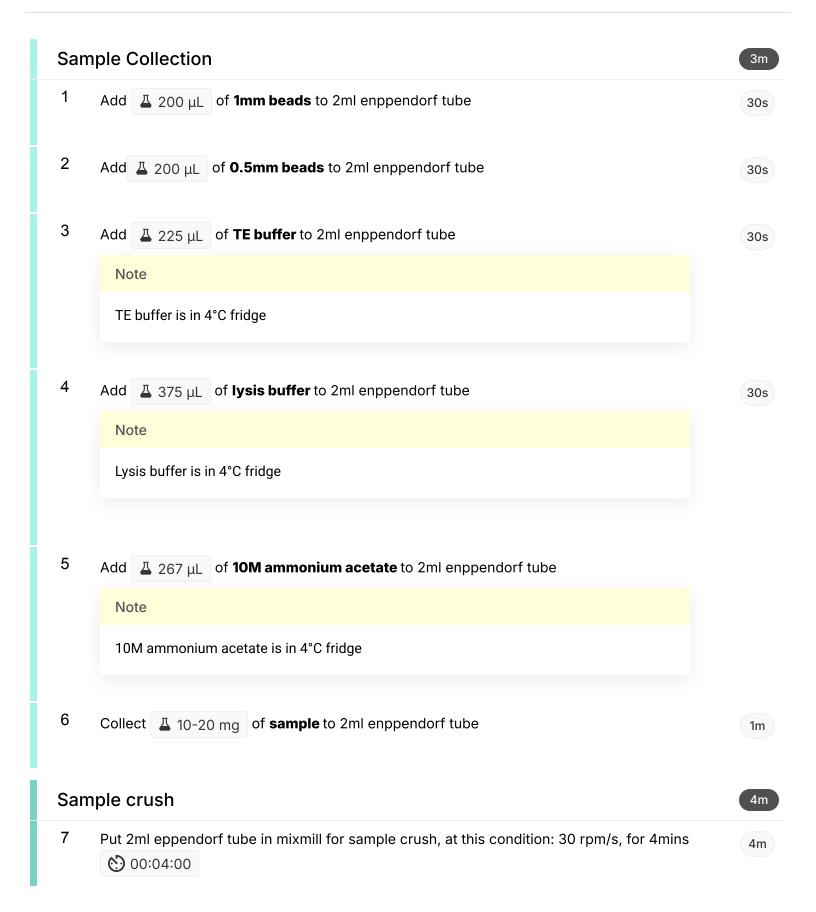
Keywords: dna extraction, bomb, dna, extraction

#### **Abstract**

DNA extraction (BOMB)

# Troubleshooting







## Centrifugation

3m

8 Put 2ml eppendorf tube in centrifuge for centrifugation, at this condition:

3m

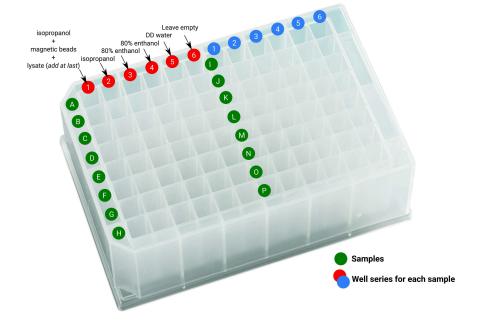
**3** 17.0 x g, 25°C, 00:03:00

## **DNA** purification

37m 30s

9 Add  $\underline{\underline{A}}$  350  $\mu L$  of **isopropanol** to the 1st well of 96 well plate

30s



9.1 Add  $\perp$  125  $\mu$ L of **magnetic beads** (10 mg/ml) to the 1st well of 96 deep well plate

30s

Note

Shake the bottle and pipetting before using magnetic beads



15

9.2 Add  $\perp$  200  $\mu$ L of the **sample (lysate)** from the 2ml centrifuged tube to the 1st well of 30s 96 deep well plate Note **USUALLY ADD at LAST** 10 Add  $\perp$  400  $\mu$ L of **isopropanol** to the 2nd well of 96 deep well plate 30s 11 Add  $\perp$  300  $\mu$ L of **80% enthanol** to the 3rd well of 96 deep well plate 30s 12 Add  $\perp$  300  $\mu$ L of **80% enthanol** to the 4th well of 96 deep well plate 30s 13 Add  $\perp$  100  $\mu$ L of **DD water** to the 5th well of 96 deep well plate 30s 14 Put the prepared 96 deep well plate in the automated DNA extraction machine 34m

After the extraction is done, collect  $\perp$  100  $\mu$ L of the **eluted sample** as the DNA

template for downstream experiments