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Version 1

eDNA extraction with kaneka V.1

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Protocol status: In development

We are still developing and optimizing this protocol

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Abstract

We used the Kaneka Simple DNA Extraction Kit version 2 (Kaneka) for on-site DNA extraction from Sterivex. We injected 500 μ l of Solution A of the kit into the Sterivex and shook it by hand for 1 min. We collected the Solution A buffer in the Sterivex by connecting the syringe with the connecting tube. We added 70 μ l of Solution B into the collected Solution A buffer in a 1.5-ml microtube and centrifuged ($\sim$ 2,000 g) with a portable centrifuge for 3 min. We collected 200 μ l of the supernatant solution.

Materials

stervix sample

カネカ簡易DNA抽出キット Version 2

1.5ml tube

50ml tube



1

1m

Inject  250 μ L of **A buffer** into the **Sterivex**,  00:01:00 **shake** and **rotate**.

2

5m

Put **Sterivex** into 50ml tube and secured for centrifugation  5000 rpm, 00:05:00

3

Remove the liquid from the **inlet** and put into the **1.5ml tube**.

4

Add  40 μ L of **B buffer** to the **1.5ml tube**.

5

Mix by vortexing.

6

Store the samples at  -20 °C .