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Apr 02, 2022

eDNA extraction with kaneka V.1

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Kero Lab eDNA



xiafei

We used the Kaneka Simple DNA Extraction Kit version 2 (Kaneka) for on-site DNA extraction from Sterivex. We injected 500 µl 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 µl of Solution B into the collected Solution A buffer in a 1.5-ml microtube and centrifuged (~2,000 *g*) with a portable centrifuge for 3 min. We collected 200 µl of the supernatant solution.

DOI

dx.doi.org/10.17504/protocols.io.dm6gpb9xplzp/v1<https://onlinelibrary.wiley.com/doi/full/10.1111/1755-0998.13448>Fei Xia 2022. eDNA extraction with kaneka. **protocols.io**<https://dx.doi.org/10.17504/protocols.io.dm6gpb9xplzp/v1>

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stervix sample

カネカ簡易DNA抽出キット Version 2

1.5ml tube

50ml tube


1

1m

Inject  **250 µL** 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 µL** of **B buffer** to the **1.5ml tube**.

5

Mix by vortexing.

6

Store the samples at  **-20 °C** .