



Worm Lysis Kit

The Worm Lysis Kit has been designed for fast, column-free extraction of PCR-ready DNA from *C. elegans*. The kit contains a lysis and protease buffer system designed for rapid DNA extraction without the need for laborious and time consuming extraction methods. DNA extraction is performed in a single tube thereby reducing potential contamination and sample loss.

Extraction of DNA is rapid, requiring only a 15 minute incubation before the DNA is ready for use directly in your PCR. Alternatively, it can be stored at -20°C for future use.

The DNA generated with the Worm Lysis Kit is suitable for use in genotyping PCR reactions without further clean-up steps. Worm lysate can be used with NemaMetrix' PCR Master Mix or other PCR reagents.

Components

5x Worm Lysis Buffer A	1 x 200 µl
10x Worm Lysis Buffer B	1 x 100 µl

To be provided by user: 0.2ml reaction tubes and PCR grade dH₂O.
For genotyping PCR, use with the NemaMetrix PCR mix - PCR102.

Shipping and storage

On arrival the kit should be stored at -20°C. If stored correctly the kit will retain full activity for 12 months. The kit can go through 30 freeze/thaw cycles with no loss of activity.

Limitations of product use

The product may be used only for in vitro research purposes.



Protocol

- 1. To each 0.2ml PCR tube add:**
 - 2 μ l - 5x Worm Lysis Buffer A
 - 1 μ l - 10x Worm Lysis Buffer B
 - 7 μ l - PCR grade dH₂O

- 2. Pick 1 worm into each tube.**

- 3. Incubate the reaction**
 - 5 min at 75°C
 - 10 min at 95°C

- 4. Dilute with 90 μ l dH₂O and centrifuge.**

- 5. Use 2 μ l immediately or store at -20°C.**