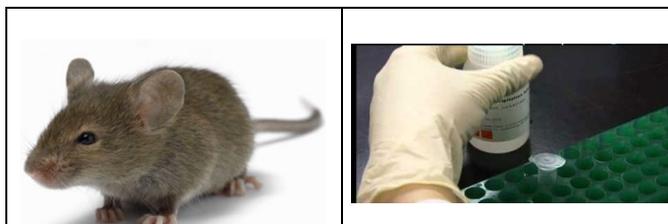


Mouse Tails DIRECT PCR Lysis Reagents (genotyping)

Direct PCR Lysis Reagent was especially developed for the lysis of mouse tail tissue, and other tissues. After a brief heat treatment, the crude lysates are directly used for PCR without time-consuming genomic DNA isolation.

Using Fisher Molecular Biology Mouse Tails-Direct PCR Lysis Reagents, DNA extracts can be easily obtained directly from

- Mouse Tails
- Mouse Ears
- Yolk Sac
- Culture cells



No purification of DNA is required

The DNA extracts will be suitable for one-step PCR genotyping and PCR amplifications.

Fisher Molecular Biology Direct PCR Lysis Reagents are single-tube systems for rapid, convenient, and reliable preparation of DNA from mouse tails, ears, yolk sacs, and culture cells.

The innovative system developed by **Fisher Molecular Biology** allows the resulting DNA crude extracts to be ready for genomic PCR for genotyping in less time and less hands-on involvement.

Crude extracts of biological samples are not compatible with many molecular biology-grade reactions such as polymerase chain reaction (PCR), in part due to inhibitors contained in crude extracts.

The **Direct PCR Lysis Reagents** not only mediate the **rapid lysis of biological samples** but also contain inhibitors that effectively suppress the inhibitory activities of crude lysates for PCR amplification, while maximally **maintaining the integrity of released genomic DNA**. Our lysis reagents completely eliminate any solution transfer or tube-opening steps, providing you with substantial extra time and less risk.

Brief procedure:

1. **Lyse tails in DirectcPCR Lysis Reagent.**
2. **Incubate for 45 min at 85°C.**
3. **PCR genotyping with 1 µl lysates.**

Detailed protocols: Tails, Ears, Yolk Sac, and Cultured cells.

The Direct PCR Lysis system offers advantages and savings over conventional protocols that include:

- **Time:** Virtually no hands-on time. Crude tail lysates for PCR.
- **Safety:** No organic reagents.
- **Environmental:** Less waste (organic reagents, tubes, tips, etc...)
- **Reliability:** Virtually 100% success rate with high yields.

Direct PCR Lysis Reagents

Cat #	Description
FLS-1001T	500 mouse tails (100 ml)
FLS-1002E	1000 mouse ears (100 ml)
FLS-1003Y	Yolk sac (100 ml)
FLS-1004C	Cultured cell (100 ml)

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