

LazyExtract™ DNA Prep Solution Product Manual

Ver. 1.2

1. Description

LazyExtraction™ is a solution for preparing genomic DNA for PCR-related applications. PCR-ready DNA samples can be prepared from cultured cells with an infinitely minimal process, and samples can be stored at room temperature for at least 2 weeks.

2. Protocol

A. 1 sec prep from cultured cell pellet

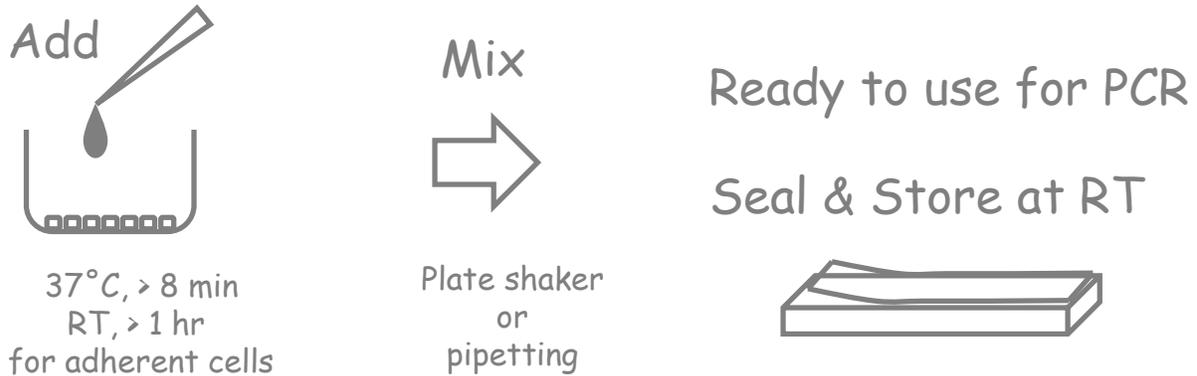


- I. Add 100µL of LazyExtract™ DNA prep solution to 5,000 to 100,000 of cells
- II. Mix by pipetting or vortex.

If > 10,000 cells are lysed, vigorous pipetting using a P200 pipette is required to reduce the viscosity of the cell lysate. This process usually does not affect the results of PCR but filtered pipette tips are highly recommended to avoid pipet contamination.

- III. Use the cell lysates as PCR templates or store at room temperature for 2 weeks, at 4 °C for 6 months, -20 °C for long term.
For a 10 µL PCR reaction, < 1 µL of cell lysate is typically sufficient.
- IV. If you incubate the sample at 65 °C for 6 min and 98 °C for 2 min, the sample can be stored at room temperature for more than 1 month with no significant degradation.

B. Lazy prep from cultured cells in 96 well plate (5,000 to 100,000 cells/well).



- I. Remove the media.
- II. Add 100 μL of LazyExtract™ DNA prep solution to each well using 8 channels pipette.
- III. Mix by pipetting or plate shaker.

For adherent cells, incubation more than 8 min at 37 °C or more than 1 hour at room temperature is required before mixing.

If > 10,000 cells are lysed, vigorous pipetting using a P200 pipette is required to reduce the viscosity of the cell lysate. This process usually does not affect the results of PCR but filtered pipette tips are highly recommended to avoid pipet contamination.

- V. Use the cell lysates as PCR templates or seal the plate and store at room temperature for 2 weeks, at 4 °C for 6 months, -20 °C for long term.

For a 10 μL PCR reaction, < 1 μL of cell lysate is typically sufficient.

3. Components

LX0015	LazyExtract™ DNA prep solution 1.5 mL	15 reactions
LX0200	LazyExtract™ DNA prep solution 20 mL	200 reactions
LX2000	LazyExtract™ DNA prep solution 200 mL	2000 reactions

4. Storage

LazyExtract can be stored at room temperature for 1 month with no significant decrease of the activity. Store at 4 ° C for long-term storage.