

# Rapid nucleic acid release agent (DNA ) -II

## Guide Manual

(Part number: WLD8201-ES)

### Product description

This kit for the rapid lysis of various types of common samples, without purification, the sample lysates can be directly used as a template for amplification reactions. Other types of samples can be stratified by homogenizing and taking the supernatants for extraction.

### Product characteristics

1. Simplicity: one-step operation (regular 5 minutes) to get the DNA template for amplification.
2. Safety: Non-toxic, environmental protection, room temperature transportation and preservation.
3. Versatility: it can be applied to PCR and isothermal nucleic acid amplification

### Materials provided

Materials provided	Specification	Quantity
LD-1	800 $\mu$ L	1 tube
LD-2	200 $\mu$ L	1 tube

**Note: This product needs to with Porcine disease nucleic acid detection B Kit Supporting use.**

### Storage conditions

- Storage conditions: storage at room temperature.
- Full activity is guaranteed for 12 months.

### Preparation of extraction system

Sample	100 $\mu$ L
LD-1	16 $\mu$ L
LD-2	4 $\mu$ L
<b>Sample: LD-1: LD-2=25:4:1</b>	

### Set up

1. After the sample and release agent were added, they were mixed by vortex oscillation or blow beating.
2. They were mixed and incubated at 40°C for 5 min and used for upper sample detection.
3. After sample treatment, the supernatant of 5  $\mu$ L of lysates was used as a template and used directly for the amplification reaction (For samples with more impurities, the supernatant can be detected after centrifugation).

### Note

1. To ensure the lysis effect, the sample must be fully mixed with the lysate, which can be blown with the gun head or oscillated to improve the lysis efficiency.

2. LD-1 is easy to crystallize or solidify at a temperature below 20°C, and can be melted with a 30°C -40°C water bath or metal bath instrument before use.
3. Take 2μL-5μL of the lysate supernatant as a template after mixing well, and directly use it in the amplification reaction.
4. The emulsion or suspension of the tissue / solid sample can be template with the supernatant after brief centrifugation by a centrifuge.

### **Ordering information and technical support**

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