EZassay

Direct Nucleic Acid Release Buffer (DNA/RNA Universal)

Extraction-Free Sample Preparation for Direct Amplification

info@ezassay.com
www.ezassay.com
EZassay Biotechnology Ltd.

Catalog Code: LYS-RD-100
LYS-RD-1000

CONTENTS

Brief introduction

This kit uses a specially formulated lysis system that can quickly release nucleic acids from samples, especially for DNA viruses, RNA viruses, prokaryotic bacteria (including gram-negative bacteria and gram-positive bacteria) and other samples.
It enables amplifications with samples without extraction and purification such as PCR, RPA, and LAMP. It saves time, labour and cost. This is very important of point-of-care test.

Materials supplied

Item	LYS-RD-100	LYS-RD-1000	Store
Direct lysis buffer for PCR/RPA/LAMP	5ml *1	5ml *10	2-8°C
RNase inhibitor	50μL *1	50μL *10	-20°C

Procedure(example is for reference only)

1. Preparation. Equilibrate the reagents to room temperature prior to use. Depending on the number of samples, a mixture of direct lysis buffer and RNase inhibitor is freshly prepared.

Direct lysis buffer	RNase inhibitor	Ratio
50μl	0.5μl	100:1

1. Harvest cells. Take 200 μl of the sample to be tested and add it to a 1.5 ml centrifuge tube and centrifuge at 12,000 rpm for 10 minutes.
2. Direct lysis. Remove the supernatant, add 50 μl of direct lysis buffer (RNase inhibitor added) to the pellet. Mix well by vortex. Centrifuge at 12,000 rpm for 1minute, and take 1~5 μl of supernatant for amplification such as PCR, RPA, and LAMP.